

NOTICE OF STAKING
(Not to be used in place of
Application to Drill Form 9-331-C)

RMOGA
5/5/82

1. Oil Well ☒ Gas Well ☐ Other ☐

FEB 26 1990

2. Name of Operator

PG&E Resources Company

3. Address of Operator or Agent

85 South 200 East, Vernal, UT 84078

4. Surface Location of Well

(Governmental 1/4 or 1/4 1/4)

SE/NW 1837' FWL 2032' FNL

Attach: Topographical or other acceptable map
showing location, access road, and lease boundaries.

14. Formation Objective(s)

Green River

15. Estimated Well Depth

6500'

5. Lease Number

U-30096

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Federal

9. Well No.

22-5-G

10. Field or Wildcat Name

Monument Butte

11. Sec., T., R., M., or
Blk and Survey or Area

Sec. 5, T9S, R16E

12. County or Parish

Duchesne

13. State

Utah

16. To Be Completed by Operator Prior to Onsite

a. Location must staked

b. Access Road Flagged

c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills
(To be provided at onsite)

17. To Be Considered By Operators Prior to Onsite

a. H₂S Potential

b. Private Surface Ownership

c. Cultural Resources (Archaeology)

d. Federal Right of Way

18. Additional Information

19. Signed

R. D. Miller
R. D. Miller

Title

Production Foreman

Date

2/23/90

Orig. & 2 copies - BLM

1 copy - Div. Oil, Gas & Mining

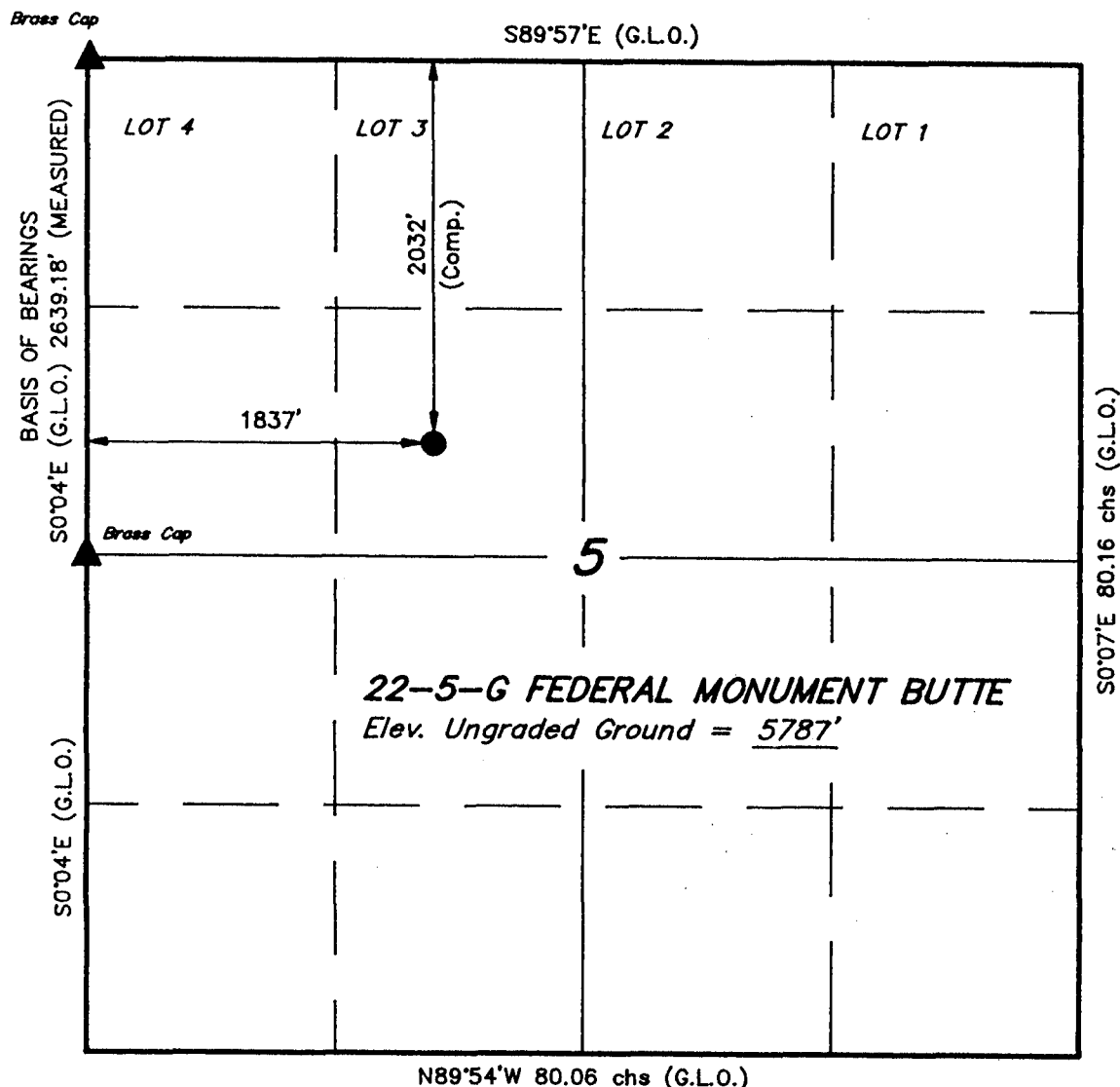
1 copy - Stan Goodrich

1 copy - Central Files

T9S, R16E, S.L.B.&M.

PG&E RESOURCES COMPANY

Well location 22-5-G FEDERAL MONUMENT BUTTE, located as shown in the SE 1/4 NW 1/4 of Section 5, T9S, R16E, S.L.B.&M. Duchesne County, Utah.



▲ = SECTION CORNERS LOCATED.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 5, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5792 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

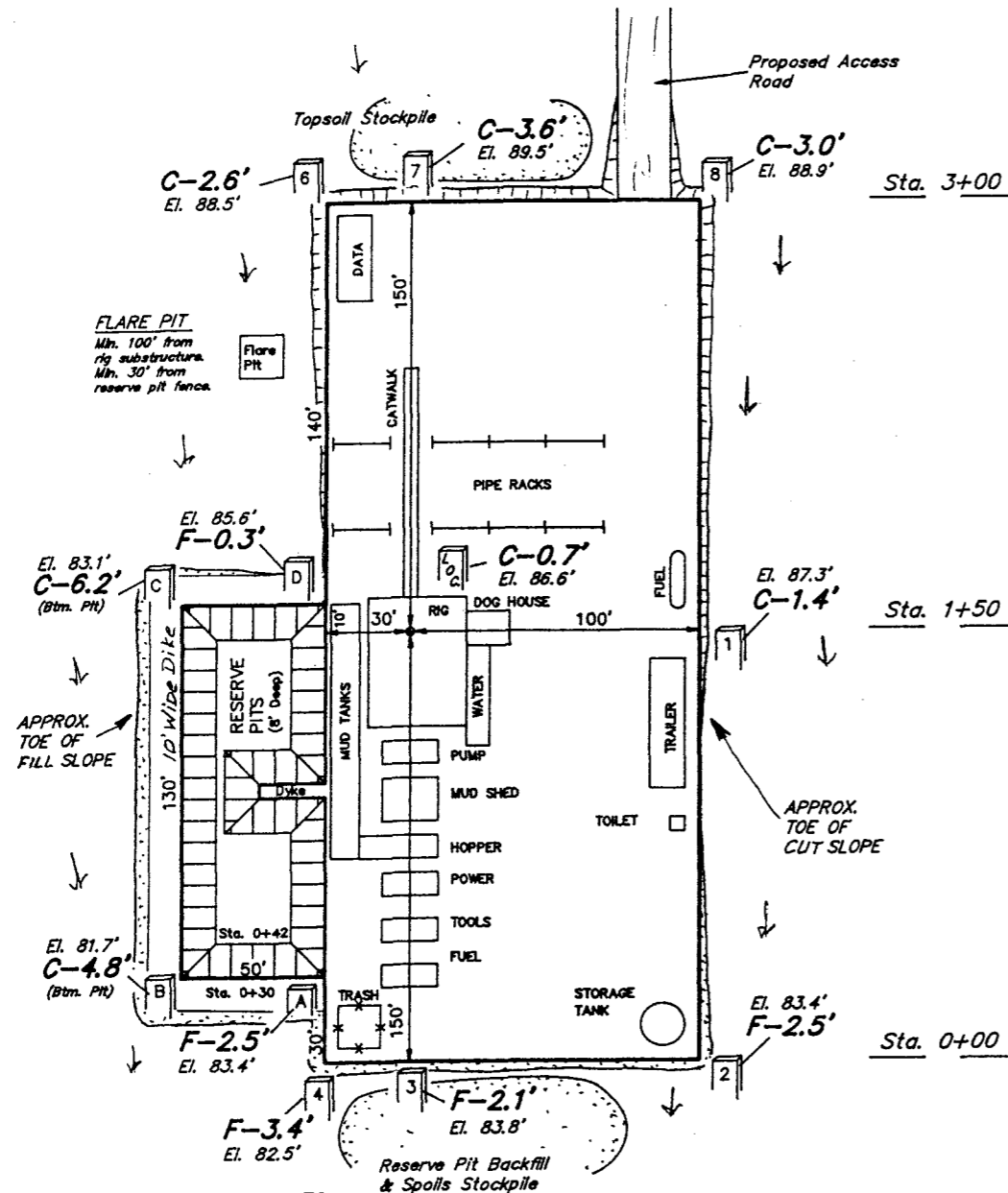
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

REVISED: 2-21-90 J.R.S.

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-7-90
PARTY D.A. J.F. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER COLD - CLEAR	FILE PG&E RESOURCES CO.

PG&E RESOURCES COMPANY
LOCATION LAYOUT FOR
22-5-G FEDERAL MONUMENT BUTTE
SECTION 5, T9S, R16E, S.L.B.&M.

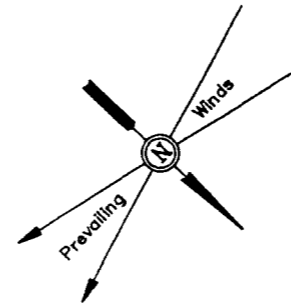


APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 843 Cu. Yds.
Pit Volume (Below Grade) = 1,162 Cu. Yds.
Remaining Location = 1,025 Cu. Yds.

TOTAL CUT = 3,030 CU.YDS.
FILL = 1,433 CU.YDS.

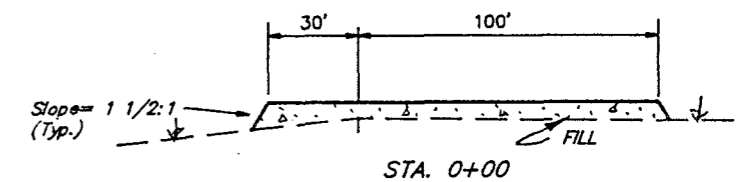
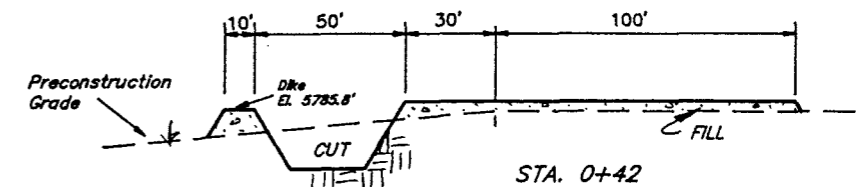
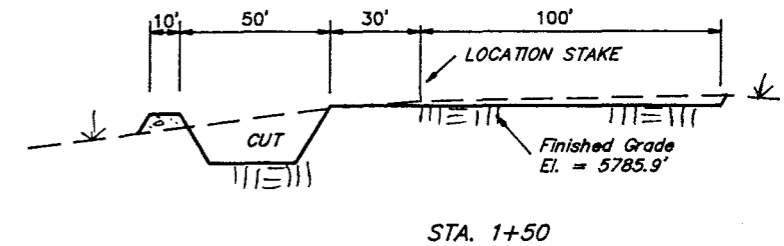
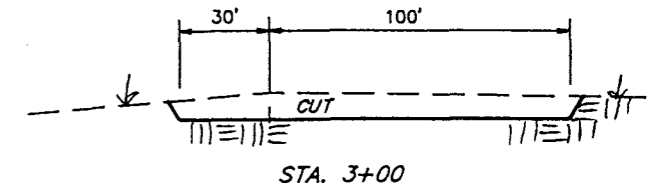
EXCESS MATERIAL AFTER
5% COMPACTION = 1,522 Cu. Yds.
Topsoil & Pit Backfill = 1,424 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE
(After Rehabilitation) = 98 Cu. Yds.



SCALE: 1" = 50'
DATE: 2-21-90

X-Section
Scale
1" = 50'

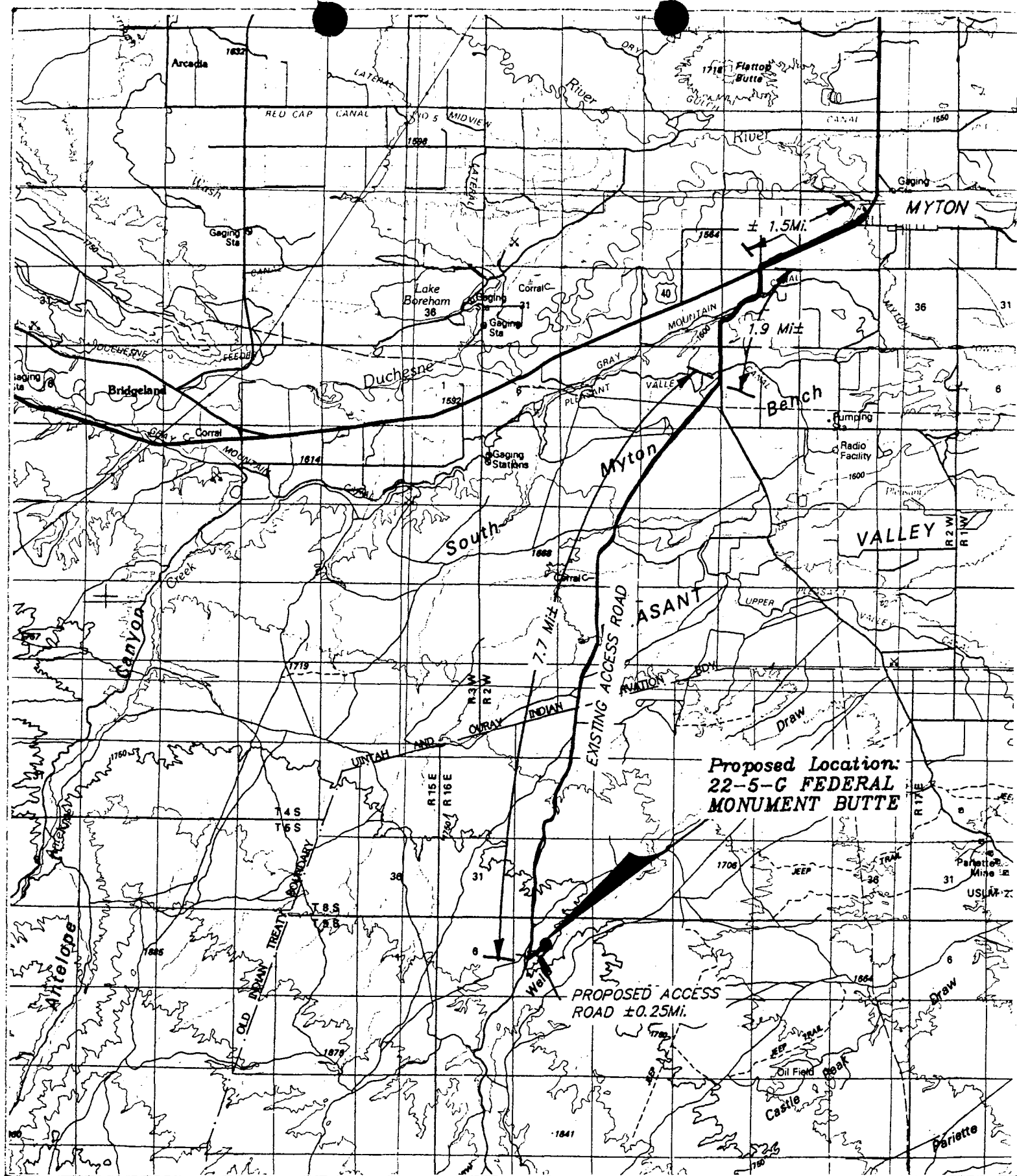
TYP. LOCATION LAYOUT
TYP. CROSS SECTIONS

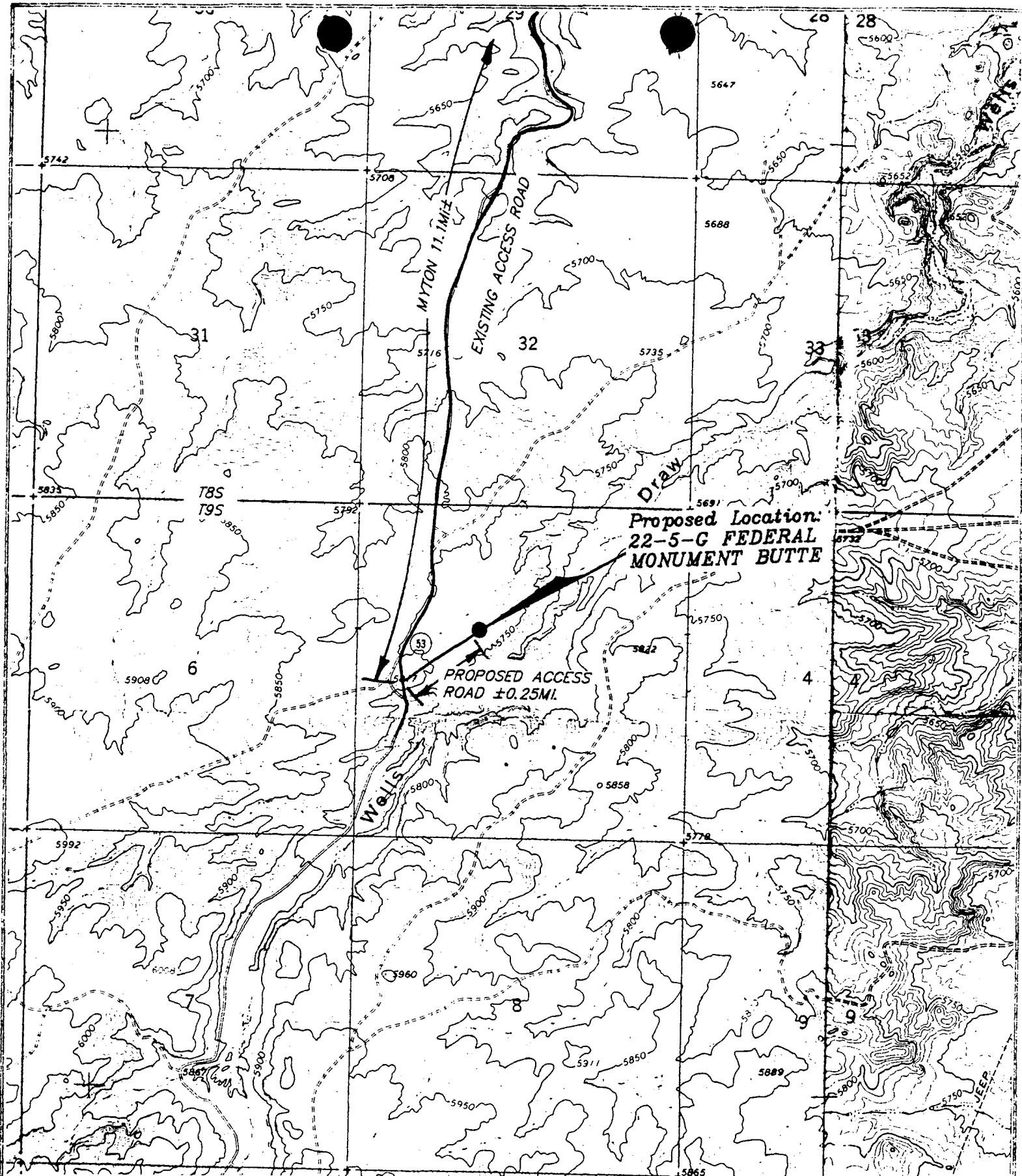


Elev. Ungraded Ground at Location Stake = 5786.6'

Elev. Graded Ground at Location Stake = 5785.9'

UINTAH ENGINEERING & LAND SURVEYING
P.O. Box 1758 Vernal, Utah





TOPOGRAPHIC

MAP "B"

SCALE: 1" = 2000'

2-7-90



PG&E RESOURCES COMPANY

22-5-G FEDERAL MONUMENT BUTTE
SECTION 5, T9S, R16E, S.L.B.&M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR PG&E Resources Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 5950 Berkshire Lane, Suite 600, Dallas, Texas 75225		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1,837' FWL, 2,032' FNL SE/NW At proposed prod. zone		9. WELL NO. 22-5-G	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Castle Peak (075) Monument Butte	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 5-T9S-R16E	
16. NO. OF ACRES IN LEASE 1,320'		12. COUNTY OR PARISH Duchesne	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,786' GR		22. APPROX. DATE WORK WILL START* May, 1990	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	To Surface
7 7/8"	5 1/2"	15.5#	TD	As required

Attachments: Drilling Program
Surface Use Plan
Survey Plat
Cut & Fill Diagram
Topo Maps
Well Location Map
Choke Manifold Diagram
Blowout Preventer Diagram

Original & 2 copies: BLM-Vernal; 2 copies Div. Oil, Gas & Mining - Salt Lake City

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

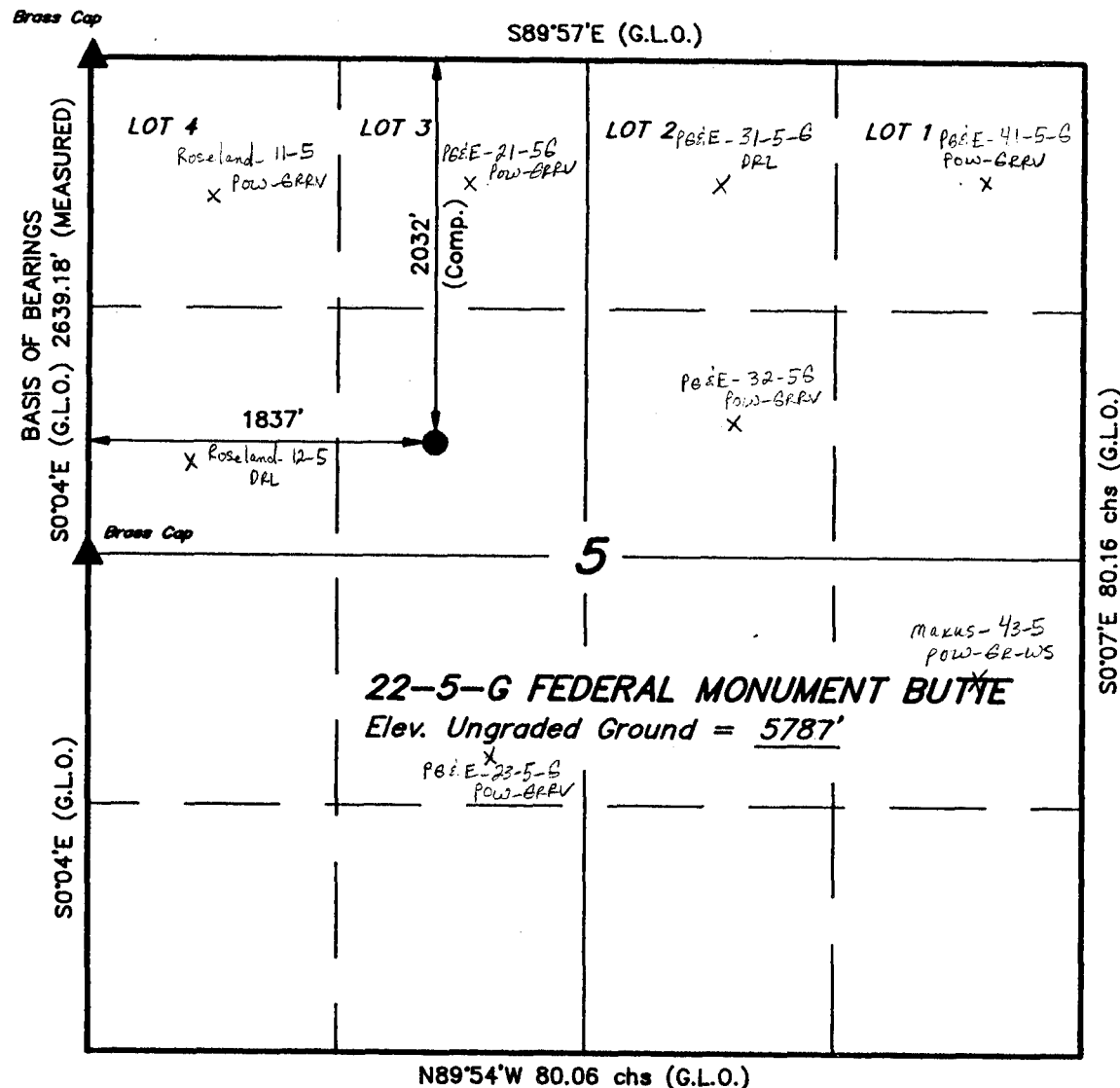
24. SIGNED <u>Mike McMican</u> Michael L. McMican		TITLE <u>Petroleum Engineer</u>		DATE <u>4/2/90</u>
(This space for Federal or State office use)				
PERMIT NO. <u>43-013-31273</u>		APPROVAL DATE <u>4-18-90</u>		
APPROVED BY _____		BY: <u>John R. Dyer</u>		
CONDITIONS OF APPROVAL, IF ANY:		WELL SPACING: <u>R615-3-2</u>		

*See Instructions On Reverse Side

T9S, R16E, S.L.B.&M.

PG&E RESOURCES COMPANY

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Robert L. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

REVISED: 2-21-90 J.R.S.

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-7-90
PARTY D.A. J.F. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER	FILE

▲ = SECTION CORNERS LOCATED.

DRILLING PROGRAM

Company: PG&E Resources Company
5950 Berkshire Ln Ste 600
Dallas, Texas 75225
214-750-3800

Well: 22-5-G Federal
Sec.5-T9S-R16E
Duchesne Co., Utah
Lease No. U-30096

Operations will comply with applicable laws, regulations, and the approved APD. Provisions of Onshore Order No. 2 will be strictly adhered to. PG&E is responsible for the actions of contractors in its hire. A copy of the approved APD will be with field representatives to insure compliance.

1. Surface Formation and Estimated Formation Tops

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Uintah	Surface	+5786' GR
Green River	1705'	+4096'
Douglas Creek Mrkr	4826'	+975'
TD	6315'	-514'

2. Estimated Depths of Oil, Gas, Water, or Mineral Bearing Zones

<u>Expected Zones</u>	<u>Formation</u>	<u>Interval</u>
Oil zones	Green River	4200'-6200'
Gas zones	None	
Water zones	None	
Mineral zones	Oil Shale	Top @ 1705'

3. Pressure Control Equipment

2000# WP BOPE installed, used, maintained & tested prior to drilling out surface csg til well completed/abandoned. BOPE suitable for subfreezing conditions if exist. Pressure tests before drilling out csg strings.

BOPE consisting of: annular preventer, double ram w/ blind and pipe rams, kill line 2" min, 1 ck line vlv, 2" ck line, 1 kill line vlv, 2 cks, gauge on ck manifold, upper kelly cock vlv with handle, safety vlv and subs to fit all drill strings, fillup line above top preventer. Ck lines straight unless using tee blocks or targeted w/ running tees and anchored to prevent whip and reduce vibration. Ck manifold functionally equivalent to diagram. All vlvs (except cks) in kill line, ck manifold, ck line full opening for straight through flow. Gauges types for drilling fluids.

Accumulator sufficient capacity to open hydraulic ck line vlv if equipped, close rams & annular preventer, retain a min of 200 psi over precharge on closing manifold w/o use of closing unit pumps. Fluid reservoir capacity double accumulator capacity w/ level maintained to specs. Accumulator precharge test conducted prior to connecting closing unit to BOP stack & every 6 months min. Accumulator pressure corrected if precharge above or below max or min limits (nitrogen gas precharge).

Power for closing unit pumps available all times so pumps auto start when manifold pressure decreases to preset level. BOP closing units w/ no. and sizes of pumps so w/ accumulator system isolated pumps can open hydraulic gate vlv if equipped, close annular preventer on smallest drill pipe in 2 minutes and obtain min 200 psi over precharge.

Hand wheels or auto locking device installed. A vlv installed in closing line close to annular preventer f/ locking device. Vlv will be open, closed only when power source inoperative.

Pressure tests w/ wtr, or clear liquid for subfreezing w/ vis similar to wtr. Rams tested to WP if isolated by test plug, 70% csg burst if not isolated. Pressure maintained 10 minutes or requirements are met. If test plug used, no bleed-off acceptable. W/o test plug, decline in pressure >10% in 30 min considered failure. Vlv on csg head below test plug open during testing. Annular preventers tested 50% WP. Pressure maintained 10 min or requirements of test met. Test at installation, seal subject to test pressure broken, following repairs, and 30-day intervals. Valves tested f/ WP side w/ down stream vlvs open. When testing kill line vlvs check vlv held open or ball removed. Annular preventers operated weekly. Rams activated each trip not > daily. BOPE drills conducted weekly each crew. Tests/drills recorded in log.

Notice will be given with sufficient lead time for the BLM to be on location during BOPE pressure testing.

4. Casing and Cementing Program

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Threads</u>	<u>New/Used</u>	<u>Depth</u>
12-1/4"	8-5/8"	24#	K55	ST&C	New	300'
7-7/8"	5-1/2"	15.5#	K55	LT&C	New	TD

8-5/8" surface csg cmtd to surface by primary or remedial cmtg. Surface csg will have centralizers every 4th jt f/ shoe jt to bottom of cellar. Top plug & bottom plug or preflush fluid will be used.

Csg strings will be pressure tested to 0.22 psi/ft of string length or 1500 psi, whichever greater, but not >70% of burst. If pressure drop >10% in 30 min, corrective action will be taken.

Notice will be given with sufficient lead time for the BLM to be on location when running casing strings and cementing.

5. Drilling Mud Program

<u>Interval</u>	<u>Mud Weight lbs/gal</u>	<u>Viscosity sec/qt</u>	<u>Fluid Loss ml/30 min</u>	<u>Mud Type</u>
0-300'	---	---	---	air
300'-TD	8.4	27	no control	water

Visual mud monitoring will be used to detect volume changes indicating loss/gain of mud volume. A mud test will be performed every 24 hrs.

Testing, Coring, Logging and Sampling

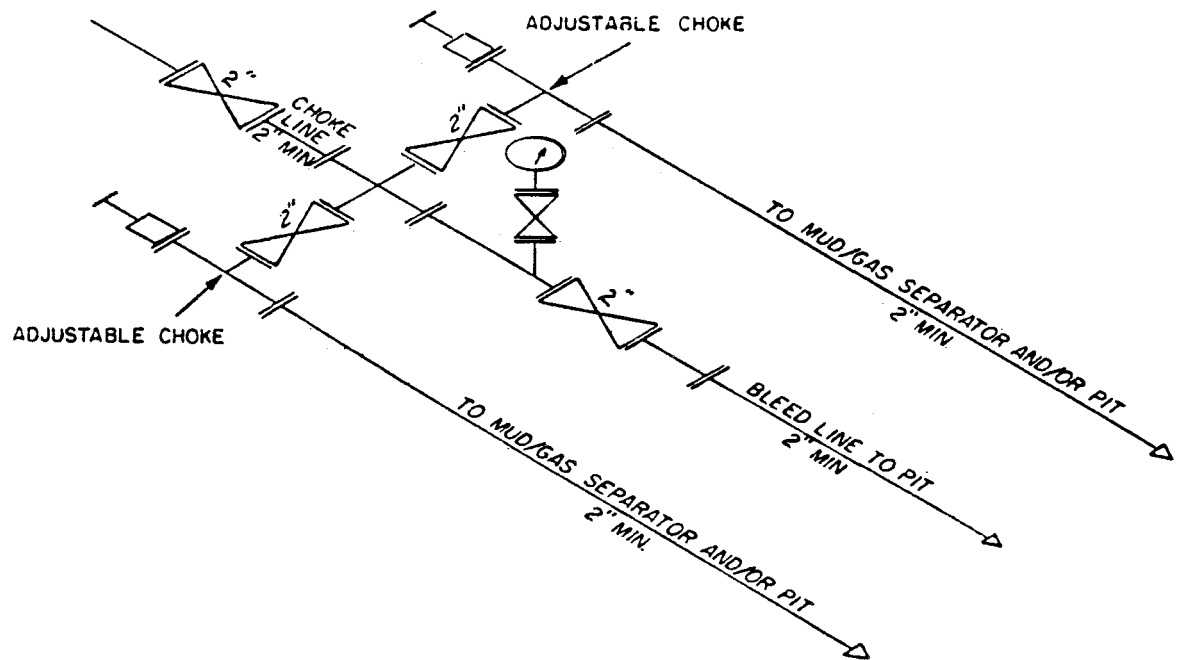
- a. Testing: None
- b. Coring: None
- d. Logging: Two man mudlogging unit 3500' - TD
DLL/MSFL/SP/GR 2" & 5" TD - surface casing
CDL/DSN/GR/CAL 2" & 5" TD - surface casing
- c. Sampling: 10' intervals 3500' - TD

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards

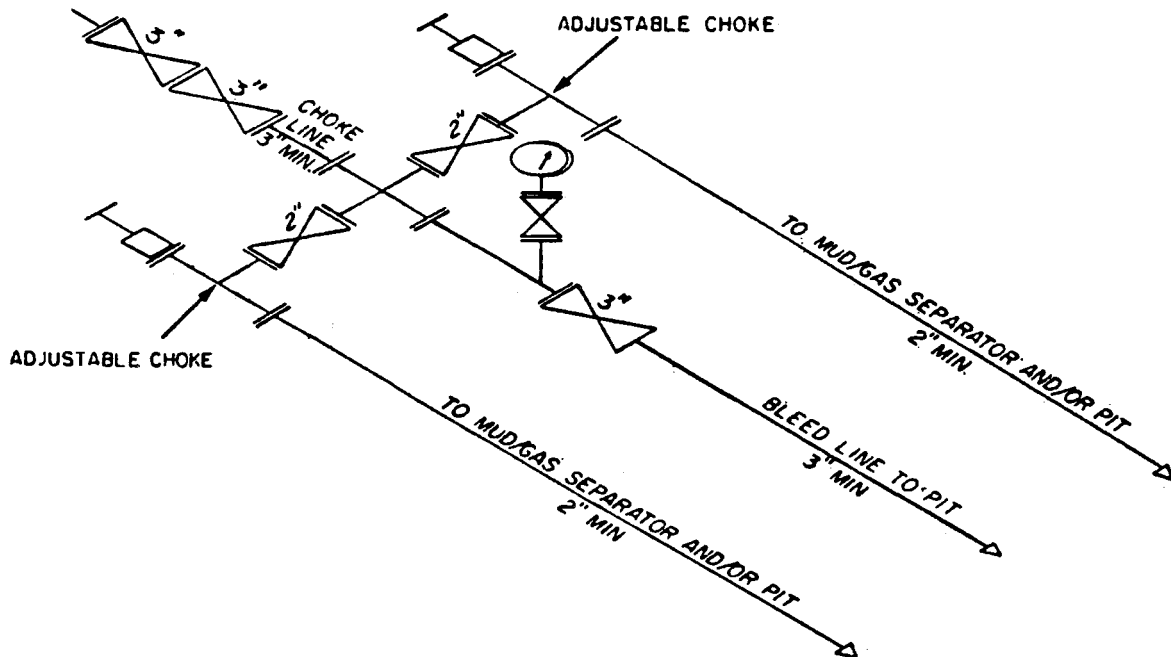
Normal pressures and temperatures are expected. No hazardous gases are expected. Anticipated pore pressure is 2475 psi with a frac gradient of about 0.75. Expected mud hydrostatic pressure is 2850 psi.

8. Anticipated Starting Dates and Duration of Operations

Location construction is scheduled for May, 1990 with drilling begun promptly afterward. Drilling should take about 7-9 days. Completion operations will begin shortly thereafter and should last about two weeks. Production equipment installation and hookup will follow completion and the well should be on production within 90 days of spud.



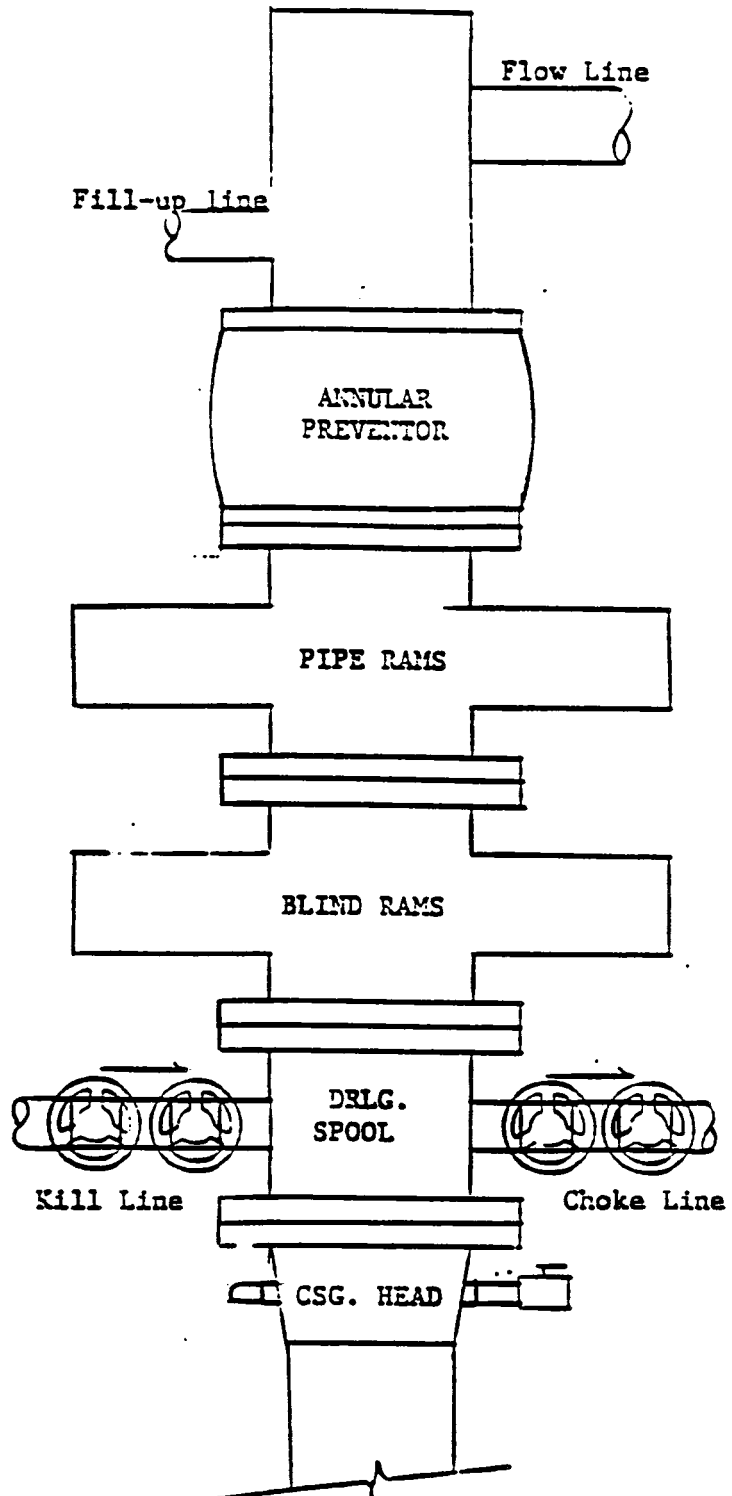
2M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY



3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

PG&E Resources Company

Blowout Preventer Diagram



Surface Use Plan

Company: PG&E Resources Company
5950 Berkshire Ln Ste 600
Dallas, Texas 75225
214-750-3800

Well: 22-5-G Federal
Sec.5-T9S-R16E
Duchesne Co., Utah
Lease No. U-30096

The BLM will be notified 24-48 hrs in advance so that site construction may be monitored. Notification will be given to Ralph Brown or Tim O'Brien in Mernal, Utah at 801-789-1362.

1. Existing Roads

To reach the 22-5-G Federal travel SW from Myton, Utah on Hwy 40 1.5 miles then south on Pleasant Valley Road 1.9 miles then right 7.7 miles then left 0.25 miles to location (map attached).

2. Planned Access Road

The access road will be constructed as follows (map attached):

- A. Length: 0.25 miles.
- B. Width: 30 foot right-of-way, 18 foot travelway.
- C. Maximum grade: 2 %.
- D. Turnouts: None.
- E. Drainage design: Crowned, borrow ditches.
- F. Culverts, bridges, major cuts/fills: Water diversions as needed.
- G. Surfacing materials and source: Native-location & access road.
- H. Gates, cattleguards, fence cuts: None.
- I. Access road surface ownership: BLM.

3. Location of Existing Wells - See attached map.

4. Location of Tanks and Production Equipment

Prior to installation of production facilities, facility plans will be approved by Sundry. Facilities will be on the cut portion of location. All above ground permanent structures remaining more than 6 months will be painted Desert Tan (10YR6/3) within 6 months of installation except for facilities complying with OSHA regulations.

The tank battery will be surrounded by a dike sufficient to contain at least the contents of the largest tank in the battery. The tank battery will be on the east end near pt 4.

5. Location and Type of Water Supply

Water to be used for drilling this well will be hauled by truck from Pleasant Valley. If this source is not used, arrangements will be made with proper authorization for an alternate source. PG&E will be responsible for acquiring the necessary water permit.

6. Source of Construction Material

All construction materials for the location and access road will be borrow materials accumulated during construction of the well site. If fill materials are needed, permits will be obtained from the BLM or materials acquired from a commercial source.

7. Methods of Handling Waste Disposal

Sewage disposal will be comply with State and Local regs. Trash will be contained in a trash cage and emptied in an approved landfill at end of drilling activities. Burning will not be allowed.

A reserve pit will be constructed as shown on the pad diagram and may be lined, as determined by PG&E or the BLM at construction, with a nylon reinforced liner (min 10 mil) and bedded with straw to avoid puncture. The liner will be torn and perforated before backfilling. The bottom of the reserve pit will not be in fill material.

Produced waste water will be confined to the reserve pit not more than 90 days after first production. During this period an application for a permanent disposal method and location, along with a water analysis if required, will be submitted for approval.

8. Ancillary Facilities - Camp facilities or airstrips will not be required.

9. Well Site Layout

The reserve pit will not be allowed to drain or leak or be on a natural drainage. Waste or discharge will not be allowed in any drainage. Any hydrocarbons on the pit will be removed as soon as possible after drilling and liquids allowed to evaporate before backfilling.

The reserve pit will be on the east side, stockpiled topsoil on the SE side near pt 7, access from the west near pt 8.

The reserve pit will be fenced on three sides during drilling and fourth side fenced when the rig moves off. All pits fenced as follows: 39" net wire <2" above ground w/ 1 strand barbed wire 3" above top of net wire, total fence height 42" or more, corner posts cemented or braced to keep fence tight, standard steel posts between corner braces no more than 16' apart, all wire stretched before attached to corner posts.

10. Plans for Restoration of the Surface

Immediately after drilling, the area will be cleared of debris, materials, trash, junk and equipment not required for production.

The reserve pit will be completely dry and trash removed before restoration takes place. The reserve pit and portion of the location not needed for production will be reclaimed. The reserve pit will be reclaimed within 90 days of well completion.

Disturbed areas will be recontoured to the approximate natural contours. Stockpiled topsoil will be distributed evenly over the disturbed areas. Prior to reseeding, all disturbed areas will be scarified to a rough surface. Seed will be broadcast or drilled between September 15 and when the ground freezes. If broadcast, an implement will be dragged over the seeded area to assure seed coverage and the seed mixture doubled. The seed mixture will be determined by the BLM in the APD or at the time of restoration. If seeding is unsuccessful, PG&E will make reseedings.

11. Surface Ownership

The surface for all roads and the well location is under the jurisdiction of the Department of the Interior, Bureau of Land Management.

12. Other Information

PG&E is responsible for informing all persons associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites or collecting artifacts. If historic or archaeological materials are uncovered during construction, PG&E will immediately stop work that might further disturb such materials, and contact the BLM.

Use of pesticides, herbicides or other hazardous chemicals will be approved for use prior to application.

Flare pit will be located a minimum of 30' from the reserve pit fence and 100' from the wellbore on the downwind side of the location between points 6 & D. Fluids will be removed within 48 hrs of occurrence.

A silt catchment basin will be constructed where flagged & to BLM specs if stated as a requirement in the conditions of approval for the APD.

The BLM will be notified upon site completion before moving in the drilling rig.

Drilling rigs/equip will not be stacked on BLM lands w/o BLM approval.

13. Lessee or Operator Representative and Certification

Name: Michael L. McMican
Title: Petroleum Engineer
Address: PG&E Resources Company
5950 Berkshire Lane, Suite 600
Dallas, Texas 75225
Phone: 214-750-3800

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by PG&E Resources Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date

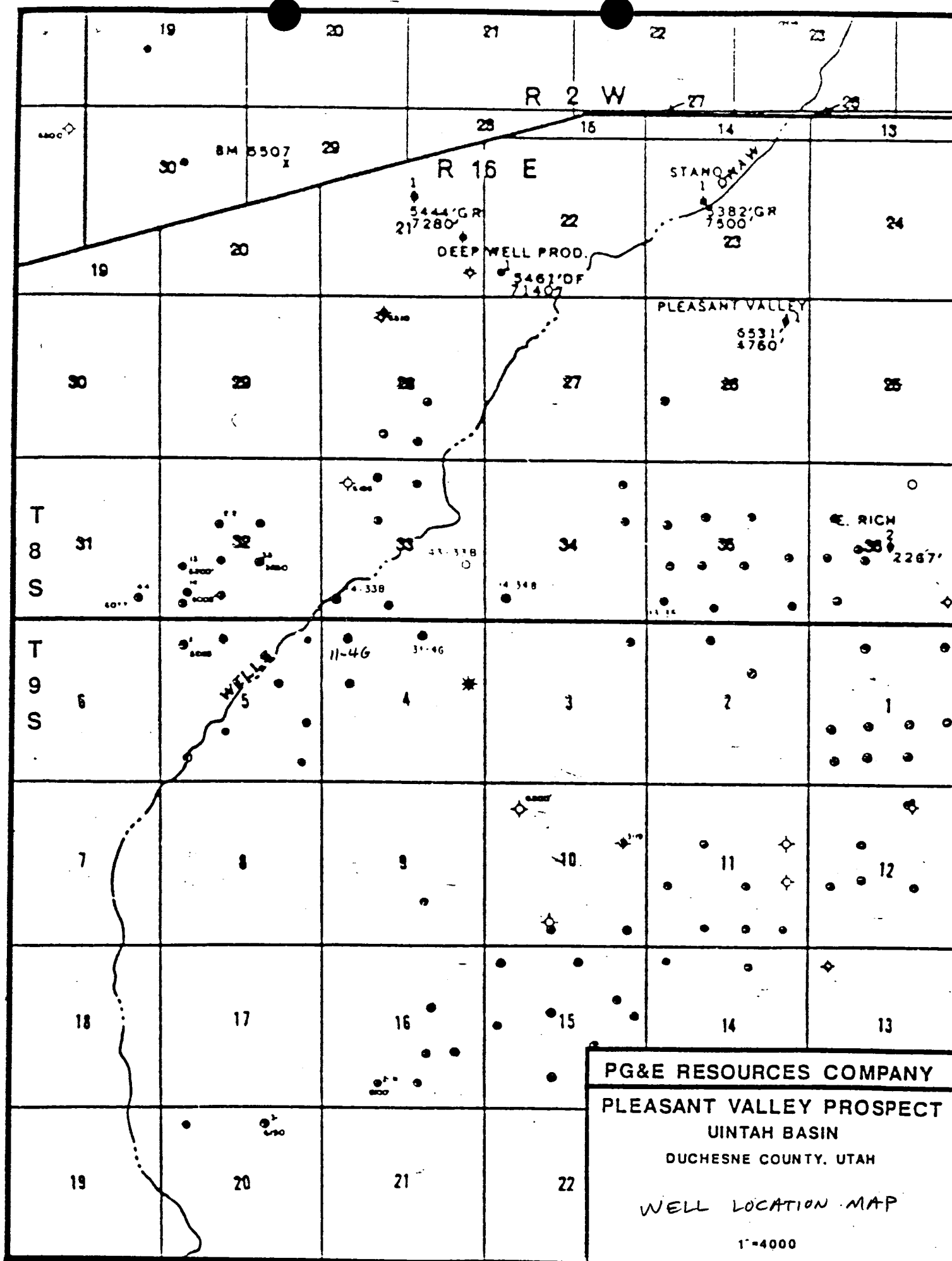
Michael L. McMican
Petroleum Engineer

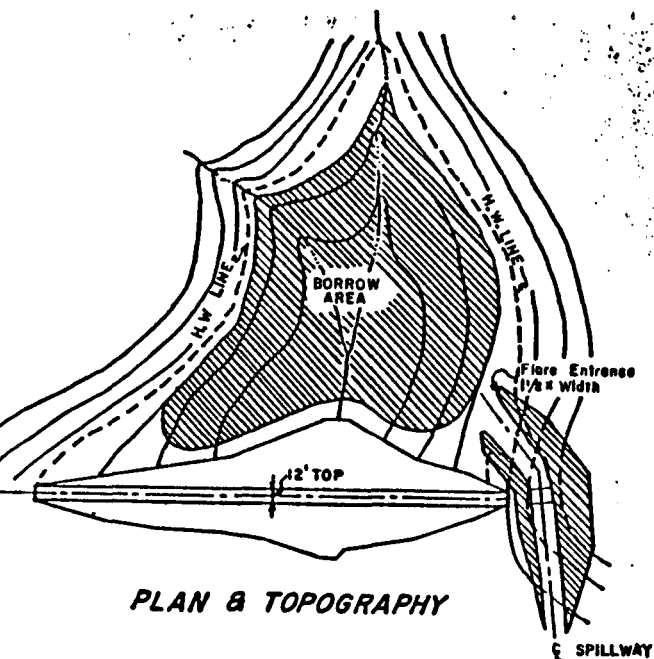
Onsite Date: 3-12-90
Participants on Joint Inspection:
C.M. Heddleson - PG&E
Ralph Brown - BLM

Self-certification Statement

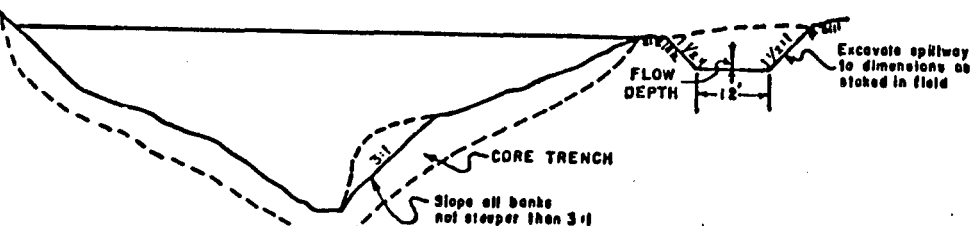
Under the Federal regulations in effect as of June 15, 1988, designation of operator forms are no longer required when the operator is not 100% record title holder. Operators are now required to submit this self-certification statement to the appropriate Bureau office.

Please be advised that PG&E Resources Company is considered to be the operator of well 22-5-G Federal located SE 1/4 NW 1/4 Sec. 5, T9S, R16E, lease #U-30096, in Duchesne County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage provided by Pacific Indemnity, bond ID # 8101-04-97.

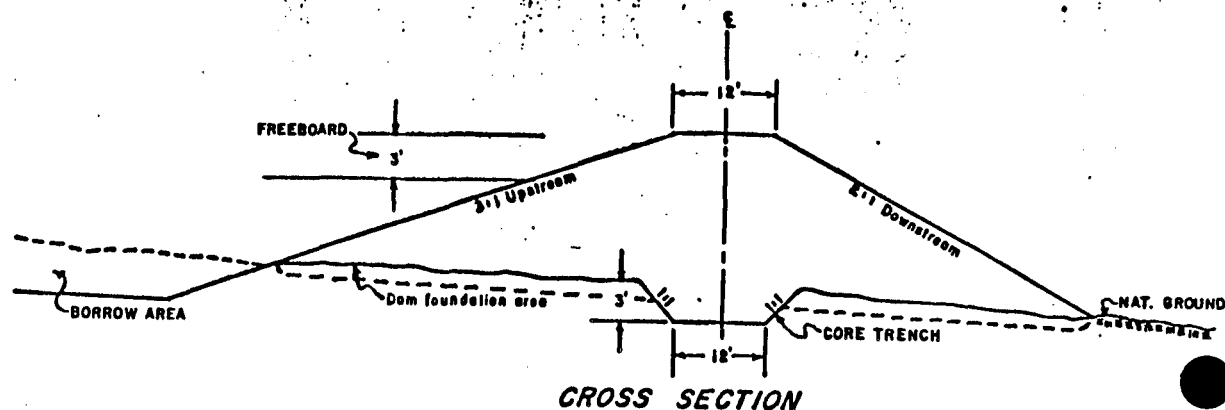




PLAN & TOPOGRAPHY



PROFILE



CROSS SECTION

MINIMUM STANDARDS FOR DAMS IMPOUNDING UNDER 10 AC. FT.

1. BLM PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX. WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILLWAY MUST BE THROUGH NATURAL MATERIAL.
6. A COAR TRENCH WILL BE CONSTRUCTED 3' DEEP. OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RETENTION DAM TYPICAL PLAN & SECTION

DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

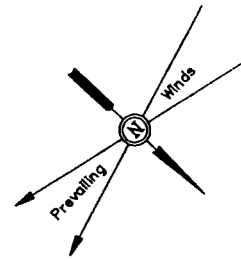
stipulation goes with #12 on Page 9

ALWAYS THINK SAFETY

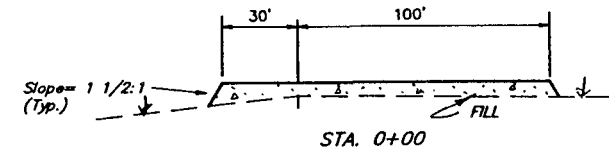
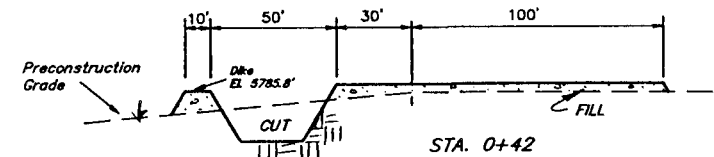
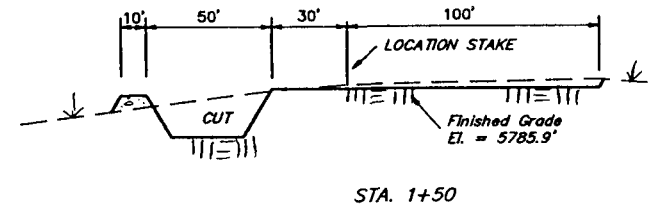
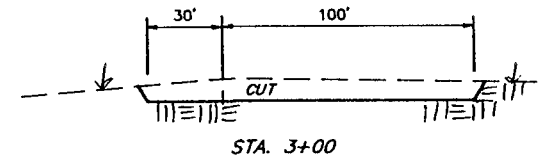
MINIMUM STANDARDS FOR DAMS
IMPOUNDING UNDER 10 AC. FT..

- I. Site Location and Design
 - A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
 - B. Dam layout and location shall be with surveying instruments by qualified personnel.
- II. Borrow Areas
 - A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
 - B. Vegetation, debris, and topsoil shall be removed to a depth of 12" below natural ground line and deposited as directed.
 - C. Vegetation, debris, and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line as directed.
 - D. Vegetation, debris and topsoil moved below the dam shall be contoured, smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
 - E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.
- III. Core Trench and Dam Foundation
 - A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
 - B. Sides of the core trench shall not be steeper than 1:1 slopes.
 - C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.
- IV. Dam and Core Fill
 - A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
 - B. Lifts of fill shall not exceed 6" when compacted.
 - C. Fill shall be built up at a consistent rate the full length of the dam.
 - D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
 - E. Fill shall be smoothed, maintaining specified slopes.
- V. Spillway
 - A. Spillway shall be constructed through natural material.
 - B. Spillway shall be constructed to divert overflow away from fill areas or natural material that is an integral part of the dam.
 - C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.

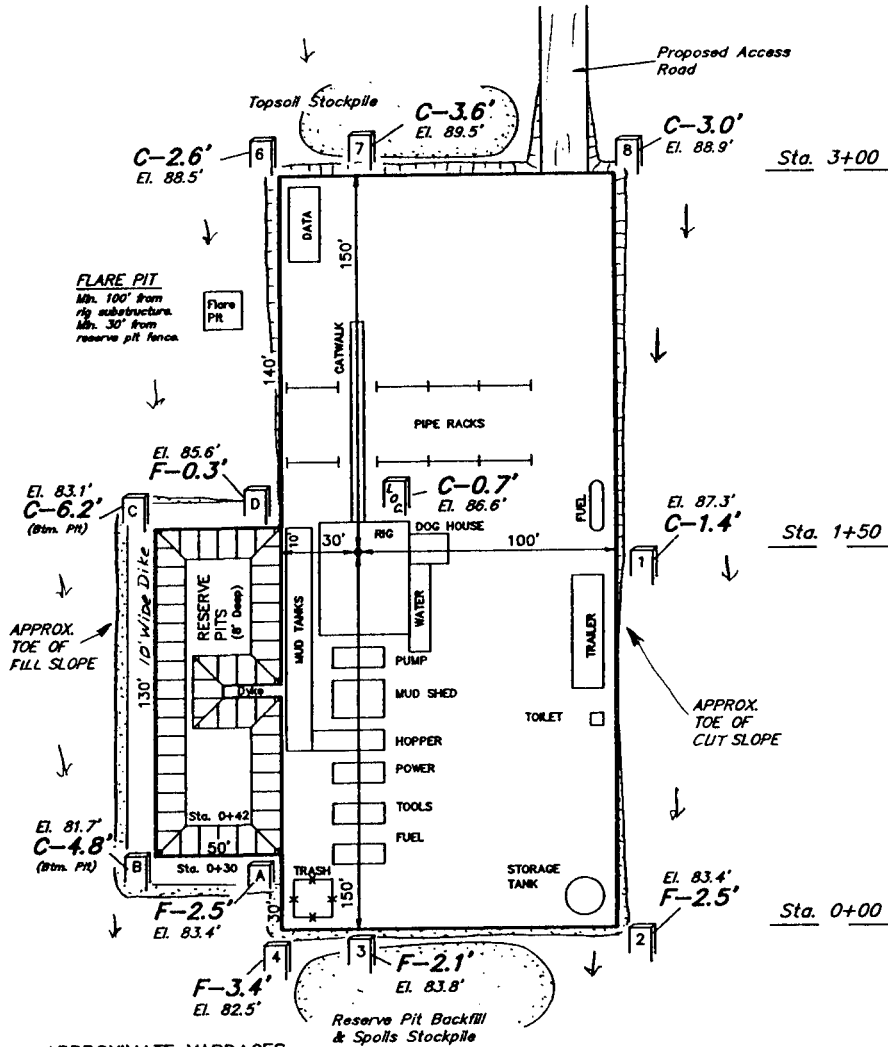
PG&E RESOURCES COMPANY
LOCATION LAYOUT FOR
22-5-G FEDERAL MONUMENT BUTTE
SECTION 5, T9S, R16E, S.L.B.&M.



SCALE: 1" = 50'
DATE: 2-21-90



TYP. LOCATION LAYOUT
TYP. CROSS SECTIONS



APPROXIMATE YARDAGES

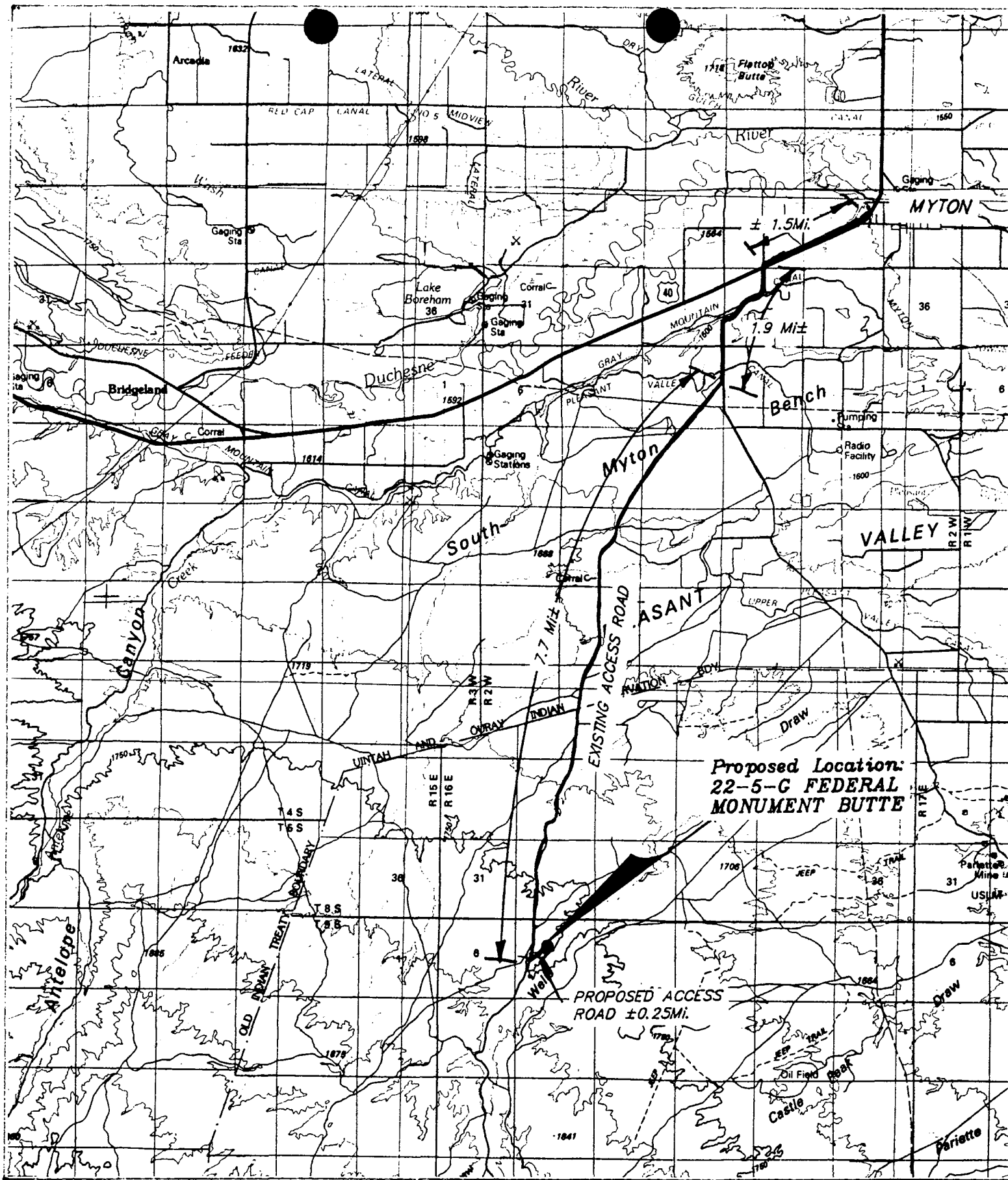
CUT
(6") Topsoil Stripping = 843 Cu. Yds.
Pit Volume (Below Grade) = 1,162 Cu. Yds.
Remaining Location = 1,025 Cu. Yds.
TOTAL CUT = 3,030 CU.YDS.
FILL = 1,433 CU.YDS.

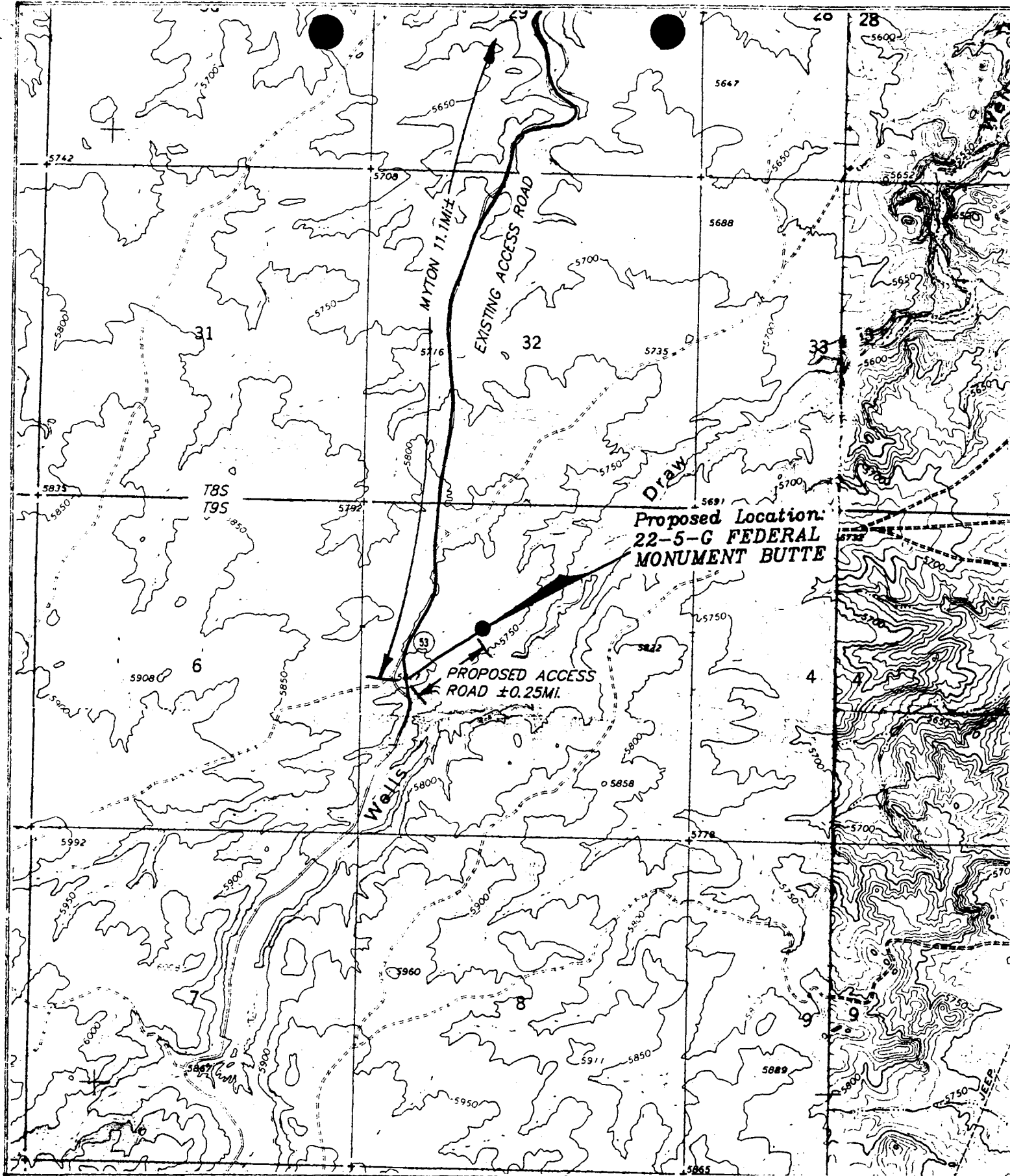
EXCESS MATERIAL AFTER
5% COMPACTION = 1,522 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 1,424 Cu. Yds.
EXCESS UNBALANCE
(After Rehabilitation) = 98 Cu. Yds.

Elev. Ungraded Ground at Location Stake = 5786.6'

Elev. Graded Ground at Location Stake = 5785.9'

UINTAH ENGINEERING & LAND SURVEYING
P.O. Box 1758 Vernal, Utah





TOPOGRAPHIC

MAP "B"

SCALE: 1" = 2000'

2-7-90



PG&E RESOURCES COMPANY

22-5-G FEDERAL MONUMENT BUTTE
SECTION 5, T9S, R16E, S.L.B.&M.

OPERATOR PGE Resources Company (N0595) DATE 4-9-90
WELL NAME Federal 22-5-6
SEC SE 1/4 5 T 9S R 16E COUNTY Duchesne

43-013-31273
API NUMBER

Federal (17)
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST
WELL

☒ LEASE

☒ FIELD
(S)

☒ POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 920'
Need Water Permit

APPROVAL LETTER:

(Nestle Peak Unit SE 1/4 of Sec. 5)

SPACING:

☐

R615-2-3

N/A

UNIT

☒

R615-3-2

☐

N/A
CAUSE NO. & DATE

☐

R615-3-3

STIPULATIONS:

1. Water Permit

CONFIDENTIAL
PERIOD
EXPIRED
ON 12-10-91



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

April 18, 1990

PG&E Resources Company
5950 Berkshire Lane, Suite 600
Dallas, Texas 75225

Gentlemen:

Re: Federal 22-5-G - SE NW Sec. 5, T. 9S, R. 16E - Duchesne County, Utah
2032' FNL, 1837' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31273.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
D. R. Nielson
J. L. Thompson
WE14/33-34

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PG&E Resources Company

3. ADDRESS OF OPERATOR

5950 Berkshire Lane, Suite 600, Dallas, Texas 75225

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

1,837' FWL, 2,032' FNL SE/NW

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

43-013-31273

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

1,320'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

Green River 6315'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)

5,786' GR

22. APPROX. DATE WORK WILL START*

May, 1990

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	To Surface
7 7/8"	5 1/2"	15.5#	TD	As required

Attachments: Drilling Program
Surface Use Plan
Survey Plat
Cut & Fill Diagram
Topo Maps
Well Location Map
Choke Manifold Diagram
Blowout Preventer Diagram



Original & 2 copies: BLM-Vernal; 2 copies Div. Oil, Gas & Mining - Salt Lake City

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Michael L. McMican
Michael L. McMican

TITLE

Petroleum Engineer

DATE

4/2/90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Thomas B. Lawrence

TITLE

ASSISTANT DISTRICT
MANAGER MINERALS

DATE

4-24-90

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL *See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company PG&E Resources Company Well No. 22-5-G
Location SE/NW Sec. 5 T9S R16E Lease No. U-30096

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc. and individual components shall be operable as designed.

The Vernal District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on every fourth joint of casing starting with the shoe joint and up to the bottom of the cellar.

Usable water may be encountered from +360-400 ft. and +500-580 ft. in the Uinta Formation. Saline water may be encountered from +1630-1830 ft. in the Uinta Formation and from +2670-2750 ft., +3970-4300 ft., +4570-4630 ft., +4880-4920 ft. and +5010-5230 ft. in the Green River Formation. The Mahogany oil shale and L1 oil shale have been identified from +2950-3030 ft. and +3120-3180 ft. respectively. Therefore, as a minimum, the resources will be isolated and/or protected via the cementing program for the production casing by having a cement top for the production casing at least 200 ft. above the oil shale. If usable and saline water are encountered, the usable water will need to be isolated and/or protected via the cementing program.

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the intermediate and production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil and Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Orders, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in Onshore Oil and Gas Order No. 3 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hour approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka
Petroleum Engineer

(801) 781-1190

Ed Forsman
Petroleum Engineer

(801) 789-7077

FAX Phone Number is: 789-3634

Revised October 1, 1985

Date NOS Received 2/26/90

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator PG&E Resources Co.

Well Name & Number 22-5-G

Lease Number U-30096

Location SE 1/4 NW 1/4 Sec. 5 T. 9 S R. 16 E

Surface Ownership Federal

B. THIRTEEN POINT SURFACE USE PROGRAM:

1. Planned Access Roads

All travel will be confined to well pad and road rights-of-way.


Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

2. Additional Information

A silt pond/check dam will be built south of the location where flagged, approximately 150 ft. from Wells Draw, according to BLM specifications.

RECEIVED
MAY 09 1990

May 7, 1990

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attention: Tammy Searing

Dear Tammy:

We request the following wells be placed in a confidential status:

Well #33-33-B Federal
NW/SE Sec. 33, T8S, R16E
Duchesne County, UT

- 43-013-31268

Well #34-33-B Federal
SW/SE Sec. 33, T8S, R16E
Duchesne County, UT

43-013-31269

Well #44-33-B Federal
SE/SE Sec. 33, T8S, R16E
Duchesne County, UT

- 43-013-31270

✓ Well #13-34-B Federal
NW/SW Sec. 34, T8S, R16E
Duchesne County, UT

43-013-31271

✓ Well #21-4-G Federal
NE/NW Sec. 4, T9S, R16E
Duchesne County, UT

43-013-31272

✓ Well #22-5-G Federal
SE/NW Sec. 5, T9S, R16E
Duchesne County, UT

43-013-31273

Thank you for your cooperation. If you have any questions, please call me.

Sincerely,

Karla Hanberg
Karla Hanberg

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API NO. 43-013-31273

NAME OF COMPANY: P G & E RESOURCES COMPANY

WELL NAME: 22-5-C

SECTION SENE 5 TOWNSHIP 9S RANGE 16E COUNTY DUCHESNE

DRILLING CONTRACTOR LEON ROSS

RIG #

SPODDED: DATE 5/25/90

TIME 11:00 a.m.

HOW DRY HOLE DIGGER

DRILLING WILL COMMENCE APPROX. 6/18/90

REPORTED BY KARLA HANBERG

TELEPHONE # 789-4573

DATE 5/25/90 SIGNED TAS

MAY 29 1990

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11103	4301331273	22-5-G	SEnw	5	9S	16E	Duchesne	5/25/90	5/25/90
WELL 1 COMMENTS: Fed. Lease Field - Castle Peak Unit - N/A Prop. Zone - GRPV (New Entity 11103 added 6-4-90) for											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Signature

Title

5/25/90

Date

Phone No. (801) 789-4573

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

85 South 200 East, Vernal, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1837' FWL 2032' FNL SE/NW
Section 5, T9S, R16E

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

22-5-G

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

Castle Peak

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

Report of Spud Date

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator reports the subject well was spudded May 25, 1990 at 11 a.m. by a dryhole digger (Leon Ross Drilling). Approximately 300' of 8-5/8" surface casing will be set. Exeter Rig 7 will move on location approximately June 18, 1990.

Spud date was reported orally to Vernal BLM office and Div. of Oil, Gas & Mining.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS 3-TAS	
MICHAEL	
Date May 25, 1990	

14. I hereby certify that the foregoing is true and correct

Signed

Karla Hanberg

Title

Office Supervisor

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 27 1990

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

22-5-G

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

Castle Peak

11. County or Parish, State

Duchesne County, UT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

85 South 200 East, Vernal, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1837' FWL 2032' FNL SE/NW

Section 5, T9S, R16E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

Weekly Status Report

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

08/21/90: MIRU. NU BOP's. TIH w/4-3/4" bit and 5 1/2" csg scraper. Tag PBTD @ 6145. Displace hole w/140 bbl 2% KCL w/clay-sta & biocide, TOOH. SION.

08/22/90: Ran CBL from PBTD @ 6135-2000. Cmt top @ 1610. Tst csg to 3500 psi. Perf E₂ @ 5555-64, 4 spf. Break dn perfs @ 3000 psi. Inj @ 2 1/2 BPM @ 2700 psi. ISIP 2300 psi, set RBP @ 5650 & TOOH.

08/23/90: RU Halliburton & frac E_p interval 5269-81 w/14,300# 20/40 sd & 18,200# 16/30 sd (5000# of 16/30 in perfs screened out) LTR: 353 bbl.

08/24/90: SICP 1250 psi. Flowed 1 hr & recovered 20 bbls wtr. TIH & clean sd from 5599 to RBP @ 5560. Reset RBP @ 5380 & tst to 3500 psi. TOOH Perf E_p @ 5269-81 w/4" csg gun & 4 spf 90°. Could not break down E_p @ 4200 psi. TIH to 5299'. SION.

Copies: Div. Oil, Gas & Mining; Chorney; SGoodrich; Central Files

14. I hereby certify that the foregoing is true and correct

Signed

Karla Stanberg

Title

Office Supervisor

Date

8/24/90

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

SEP 10 1990

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
PG&E Resources Company

3. Address and Telephone No.
85 South 200 East, Vernal, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1837' FWL 2032' FNL SE/NW
Section 5, T9S, R16E

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

22-5-G

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

Castle Peak

11. County or Parish, State

Duchesne County, UT

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TYPE OF SUBMISSION

- ☐ Notice of Intent
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☐ Final Abandonment Notice

TYPE OF ACTION

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☐ Casing Repair
☐ Altering Casing
☐ Other
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

Weekly Status Report

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 08/25/90: Frac Ep w/Halliburton. 5000 gal pad, RAMP 20/40 sand from 1-6 ppg, RAMP 16/30 from 6-7 ppg. Totals 13600# 20/40, 18100# 16/30, 410 bbl slurry, tagged 20/40 sand w/Ag-110 and 16/30 sand w/IR-142.
- 08/26/90: SICP=0. TIH w/tbg, clean sd from 5286 to RBP @ 5380. Reset RBP @5240 & tst to 3500 psi. POOH, perf 5145-53, 4 spf. Breakdown @ 2900 psi. Inject 3 BPM @ 1600 psi.
- 08/27/90: Frac Lower D w/Halliburton. 5100 gal pad, RAMP 20/40 from 106 ppg, RAMP 16/30 from 6-7 ppg, Totals 15300# 20/40 sd, 17700# 16/30 sd, 413 bbl total fluid, avg 26 BPM @ 2000 psi. Tagged 20/40 w/SB-124 & 16/30 w/SL-46.
- 08/28/90: SICP 350 psi, Rec'd 25 BW, flwg to pit. TIH, clean sd from 5165-RBP @ 5240. Reset RBP @ 4970 & tst, TOH, Perf 4864-78, 4 spf. Brk dn perfs @ 3800 psi. Inject 3 BPM @ 1200 psi.
- 08/29/90: RU Halco & frac internal 4864-78 w/45700# 20/40 sd & 57800# 16/30 sd & 1011 bbl gel. Avg rate 41 BPM, avg press 2300 psi. Max rate: 47 BPM, max press 3000 psi.
- 08/30/90: 20 hr SICP 250 psi, flw to pit, Rec'd 15 bbls load, RIH w/2-7/8" tbg, Tag sd @ 4961. Circ clean dn to RBP @ 4970. Rel RBP & set @4430, tst, POH, RIH & perf "A" intvl 4308-29, brk dn @ 3400 psi, pmpd 4 BPM @ 1600 psi, ISIP 1100 psi.

Copies: Div. Oil, Gas & Mining; Chorney; SGoodrich; Central Files

14. I hereby certify that the foregoing is true and correct

Signed Karla Hanberg

Title Office Supervisor

Date 9/5/90

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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*See Instruction on Reverse Side

08/31/90: Frac "A" sd w/Halliburton. 16200 gal pad, RAMP 20/40 sd from 1-6 ppg, RAMP 16/30 sd from 6-7 ppg. Totals 41800# 20/40, 56700# 16/30, 978 BW. Tagged 20/40 w/SB-124, 16/30 w/SC-46. Avg 30 BPM @ 2100 psi, max 43 BPM @ 2650 psi.

09/01/90: 20 hr SICP 1400 psi. Rec'd 180 bbls, flwg to pit. TIH, clean sd from 4376 to RBP @ 4430#, POH w/RBP, TIH w/2-7/8" tbg to 4200'. SD until 9/4/90.

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen a well in a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE SEP 24 1990

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

DIVISION OF
OIL, GAS & MINING

2. Name of Operator
PG&E Resources Company

3. Address and Telephone No.
85 South 200 East, Vernal, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1837' FWL 2032' FNL SE/NW
Section 5, T9S, R16E

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

22-5-G

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

Castle Peak

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

Weekly Status Report

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

09/04/90: SITP & SICP 250 psi. Circ well dead w/2% KCL, RIH w/tbg & tag sd @ 6125. Clean out dn to 6135. Good show of oil & gas while circ. POH, RU HLS & attempt to run tracer survey log. Had line problems, SWIFN.

09/05/90: RU Howco WL, ran tracer scan survey. GIH w/notched collar, 1 jt tbg, SN, 41 jts tbg, TA & 139 jts tbg, total of 181 jts 2-7/8" 6.5#, J-55 tbg. TP 5593, SN 5560, TA 4291.

09/06/90: Clean tbg w/50 bbls, 270° H2O, ran pump & rods. Check pump to 1000 psi. Release rig. Rod Detail: 1 1/2" x 22' polished rod, 1-4' & 1-8' 7/8" ponys, 97-7/8" scraped rods, 115-3/4" slick rods, 9 sinker bars, 2 1/2 x 1-3/4 x 16' RHAC rod pump. Final report prior to production.

Copies: Div. Oil, Gas & Mining; Chorney; SGoodrich; Central Files

14. I hereby certify that the foregoing is true and correct

Signed

Carla Lamber

Title

Office Supervisor

Date

9/20/90

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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*See Instruction on Reverse Side

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 09 1990

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-30096
2. Name of Operator PG&E Resources Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 85 South 200 East, Vernal, UT 84078 801-789-4573	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1837' FWL 2032' FNL SE/NW Section 5, T9S, R16E	8. Well Name and No. 22-5-G
	9. API Well No. 43-013-31273
	10. Field and Pool, or Exploratory Area Castle Peak
	11. County or Parish, State Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

Initial Production
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator reports the subject well was put on production October 4, 1990 at 3:00 p.m.
Well produced 171 bbls. oil, 43 bbls. water for the first 18 hrs..

Future reports will be on Form 3160 "Monthly Report of Operations".

Copies: Div. Oil, Gas & Mining; Chorney; SGoodrich; Central Files; Lynne Moon

14. I hereby certify that the foregoing is true and correct

Signed Karla Danberg

Title Office Supervisor

Date 10/5/90

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Federal

9. WELL NO.

22-5-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 5, T9S, R16E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

PG&E Resources Company

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078 801-789-4578

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1837' FWL, 2032' FNL SE/NW

At top prod. interval reported below

At total depth

4. PERMIT NO.

DATE ISSUED

43-013-31273

4/18/90

15. DATE SPUDDED

5/25/90

16. DATE T.D. REACHED

6/22/90

17. DATE COMPL. (Ready to prod.)

9/6/90

18. ELEVATIONS (OF, RKB, RT, GB, ETC.) *

5786' GR

19. ELEV. CASINGHEAD

5786'

20. TOTAL DEPTH, MD & TVD

6265'

21. PLUG, BACK T.D., MD & TVD

6184'

22. IF MULTIPLE COMPL., HOW MANY *

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

XX

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *

4308-5564' Green River Formation

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE, ELECTRIC AND OTHER LOGS RUN

✓ DLL-LDT-CNL-CBL- Post Frac Tracer Scan

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24# K55	311' KB	12-1/4"	210 sx "G"+2% CaCl ₂	None
5-1/2"	17# J55	6259'	7-7/8"	Lead 160 sx Hi-lift	None
				Tail 450 sx 10-0 RFC	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	NC @ 5593'	Anchor @ 4291'

31. PERFORATION RECORD (Interval, size and number)

4308-29'
4864-78'
5145-53'
5269-81'
5555-64'
All 4 spf 0.45" holes
90 deg. phasing

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4308-4329'	41800# 20/40, 56700# 16/30 sd
4864-4878'	45700# 20/40, 57800# 16/30 sd
5145-5153'	15300# 20/40, 17700# 16/30 sd
5269-5281'	13600# 20/40, 18100# 16/30 sd

33.* PRODUCTION 5555-5564' 14300# 20/40, 18200# 16/30 sd

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10/5/90		Pumping and flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/5/90	18	21	→	171	NA	43	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.		OIL GRAVITY-API (CORR.)
NA	330	→	228	NA	57		38

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented for first few days then sold.

TEST WITNESSED BY

Randy Miller

35. LIST OF ATTACHMENTS

Site Security Diagram

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

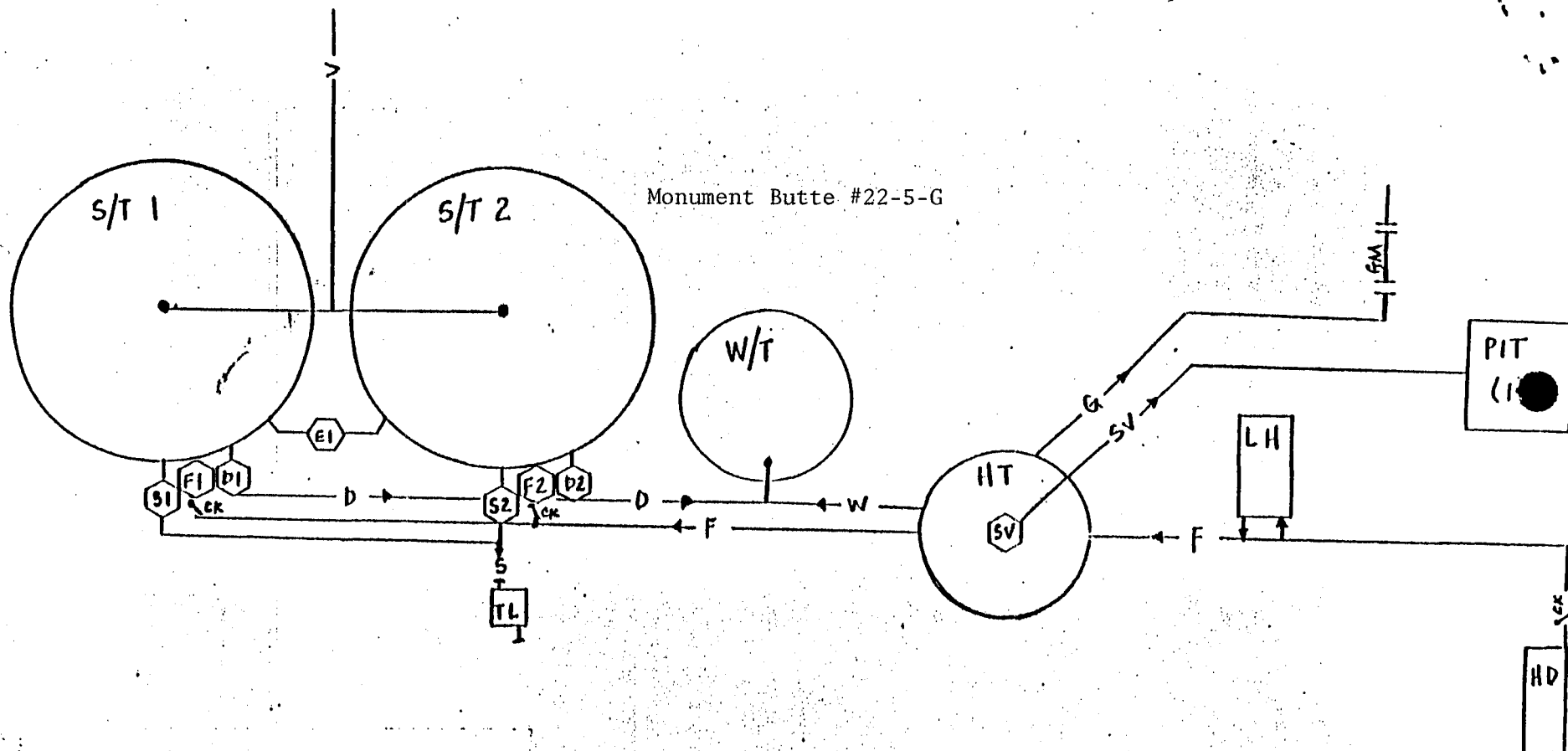
SIGNED Mike M. Whelan TITLE Production Supt. DATE 10/9/90

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
<div data-bbox="349 1554 641 2005" data-label="Form"> <div>OIL AND GAS</div> <div> <div>DPN</div> <div>✓ RJF</div> </div> <div> <div>JFB</div> <div>GLH</div> </div> <div> <div>DIS</div> <div>SLS</div> </div> <div>2-DINE ✓</div> <div>3-VLC 1</div> <div>MICROFILM</div> <div>4- FILE</div> </div>				Top Green River	1738'	Subsea +4068'
				Douglas Creek Marker	4833'	+ 968'
				Basal L.S.	6170'	- 369'
				T.D.	6265'	- 464'

Copies: Div. Oil, Gas & Mining; Chorney; SGoodrich; Central Files



PG&E Resources Company
SE/NW Section 5, T9S, R16E
Duchesne County, Utah
Lease U-30096

This well is subject to the Site Security Plan
for the northeast Utah operations. The plan is
located at PG&E Resources Company, 85 South 200
East, Vernal, UT 84078.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

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85 South 200 East, Vernal, UT 84078 801-789-4573

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1837' FWL, 2032' FNL SE/NW
Section 5, T9S, R16E

8. Well Name and No.

22-5-G Federal

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, Utah

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TYPE OF SUBMISSION

- ☒ Notice of Intent
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TYPE OF ACTION

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☐ Casing Repair
☐ Altering Casing
☒ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

NTL-2B

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator proposes to dispose of produced water into an above-ground tank. The tank will be fiberglass with a capacity of about 100 bbls. Water from the tank will be taken by truck and disposed of at the Rooney Operating Disposal Well or the Dave Murray Disposal Pond.

Operator also proposes construction of an emergency pit to be 10' square at surface with 1:1 slopes, 5' deep and 10' square at bottom. This pit will be fenced and bermed and only used in emergency situations. Any liquids discharged to the pit will be removed within 48 hrs.

Accepted by the State
of Utah Division of
Oil, Gas and Mining

Date: 11-9-90

By: [Signature]

Copies: Div. Oil, Gas & Mining; SGoodrich; Central Files, Chorney

14. I hereby certify that the foregoing is true and correct

Signed Mike Medican

Title Production Superintendent

Date 11/6/90

(This space for Federal or State office use)

Federal Approval of this

Approved by Action is Necessary

Title

Date

Conditions of approval, if any

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Confidential

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation
2. Name of Operator PG&E Resources Company	8. Well Name and No. 22-5-G Federal
3. Address and Telephone No. 85 South 200 East, Vernal, UT 84078 801-789-4573	9. API Well No. 43-013-31273
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1837' FWL, 2032' FNL SE/NW Section 5, T9S, R16E	10. Field and Pool, or Exploratory Area Monument Butte
	11. County or Parish, State Duchesne, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
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	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	NTL-2B

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Operator proposes to dispose of produced water into an above-ground tank. The tank will be fiberglass with a capacity of about 100 bbls. Water from the tank will be taken by truck and disposed of at the Rooney Operating Disposal Well or the Dave Murray Disposal Pond.

Operator also proposes construction of an emergency pit to be 10' square at surface with 1:1 slopes, 5' deep and 10' square at bottom. This pit will be fenced and bermed and only used in emergency situations. Any liquids discharged to the pit will be removed within 48 hrs.

**Accepted by the State
of Utah Division of
Oil, Gas and Mining**

Date: 11-9-90

By: [Signature]

Copies: Div. Oil, Gas & Mining; SGoodrich; Central Files, Chorney

14. I hereby certify that the foregoing is true and correct

Signed <u>Mike McManis</u>	Title <u>Production Superintendent</u>	Date <u>11/6/90</u>
(This space for Federal or State office use)		
Federal Approval of this Action is Necessary		
Approved by _____	Title _____	Date _____
Conditions of approval, if any: _____		

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 4 of 5

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

PRODUCTION DEPT
 PG&E RESOURCES COMPANY
 6688 N CENTRAL EXP #1000
 DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N0595REPORT PERIOD (MONTH/YEAR): 8 / 94AMENDED REPORT ☐ (Highlight Changes)

Well Name API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ FEDERAL 33-33-B 4301331268 11086 08S 16E 33	GRRV			✓ 449092	(wells draw GRRV unit)	
✓ FEDERAL 13-33-B 4301331277 11092 08S 16E 33	GRRV			✓ "	(wells draw GRRV unit)	
✓ FEDERAL 22-5-G 4301331273 11103 09S 16E 5	GRRV			✓ 430096	(wells draw GRRV unit)	
✓ FEDERAL 13-34-B 4301331271 11104 08S 16E 34	GRRV			✓ 447171	(wells draw GRRV unit)	
✓ FEDERAL 21-4-G 4301331272 11107 09S 16E 4	GRRV			✓ 430096	(wells draw GRRV unit)	
✓ STATE 5-36B 44732224 11363 09S 19E 36	WSTC			✓ ML45173		
✓ STATE 9-36A 4304732225 11364 09S 18E 36	GRRV			✓ ML45171		
✓ FEDERAL 13-26B 4304732237 11370 09S 19E 26	WSTC			✓ WTL68625	(w. willow creek?)	
✓ STATE 2-32B 4304732221 11371 09S 19E 32	WSTC			✓ ML45172		
✓ STATE 9-36B 4304732249 11372 09S 19E 36	WSTC			✓ ML45173		
✓ FEDERAL 11-24B 4304732223 11375 09S 19E 24	GRRV			✓ WTL68625	(west willow creek unit)	
✓ FEDERAL 1-26B 4304732248 11380 09S 19E 26	WSTC			✓ "	* Conv. 61w 10/94 (west willow creek unit)	
✓ FEDERAL 13-24B 4304732418 11507 09S 19E 24	GRRV			✓ "	(west willow creek unit)	
TOTALS						

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

DALEN Resources
Oil & Gas Co.



October 5, 1994

OCT 11 1994

Lisha Romero
State Oil & Gas Office
3 Triad Center
Salt Lake City, Utah 84180-1203

Re: Company Name Change

Dear Ms. Romero:

PG&E Resources Company changed its name to DALEN Resources Oil & Gas Co. We are requesting a blanket change for all of PG&E Resources Company's properties to:

DALEN Resources Oil & Gas Co.
6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922

This change is effective October 1, 1994 for all records and reports filed in all districts throughout the state of Utah. I have included a listing of our Utah properties.

Also enclosed is a copy of the Certificate of the Secretary of State of Delaware regarding the name change to DALEN Resources Oil & Gas Co.

If you have any questions regarding this matter, please contact me at (214) 706-3678.

Sincerely,

A handwritten signature in cursive script that reads "Jim Johnson".

Jim Johnson
Regulatory Analyst

JJ/sw
Enclosures

cc: Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

State of Delaware
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"PG&E RESOURCES OFFSHORE COMPANY", A DELAWARE CORPORATION,
WITH AND INTO "PG&E RESOURCES COMPANY" UNDER THE NAME OF
"DALEN RESOURCES OIL & GAS CO.", A CORPORATION ORGANIZED AND
EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED
AND FILED IN THIS OFFICE THE NINETEENTH DAY OF SEPTEMBER, A.D.
1994, AT 1:30 O'CLOCK P.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO
THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.



A handwritten signature in cursive script, reading "Edward J. Freel", is written over a horizontal line.

Edward J. Freel, Secretary of State

2261176 8100M

944175519

AUTHENTICATION:

7242629

DATE:

09-19-94

**CERTIFICATE OF OWNERSHIP
AND MERGER**

MERGING

**PG&E Resources Offshore Company
a Delaware corporation**

INTO

**PG&E Resources Company
a Delaware corporation**

**(Pursuant to Section 253 of the General Corporation
Law of the State of Delaware)**

PG&E Resources Company, a corporation duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware ("Resources"), does hereby certify:

FIRST: That Resources and PG&E Resources Offshore Company ("Offshore") are corporations duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware.

SECOND: That Resources owns all of the outstanding shares of the capital stock of Offshore.

THIRD: That the board of directors of Resources adopted the following resolutions by unanimous written consent on September 16, 1994, and that such resolutions have not been rescinded and are in full force and effect on the date hereof:

"RESOLVED, that PG&E Resources Offshore Company, a Delaware corporation ("Offshore"), which is a wholly-owned subsidiary of Resources, merge with and into Resources pursuant to Section 253 of the General Corporation Law of the State of Delaware (the "Merger"), effective as of 9:00 A.M., Wilmington, Delaware time, on October 1, 1994, and that Resources assume all of the obligations of Offshore at such time;

RESOLVED, that upon the effective time of the Merger the name of the surviving corporation shall be changed to "DALEN Resources Oil & Gas Co."; and

RESOLVED, that the President or any Vice President of Resources are hereby authorized and empowered to file with the Secretary of State of the State of Delaware a certificate of ownership and merger to effect the Merger and the name change of the surviving corporation, and the appropriate officers of Resources are hereby authorized to incur the necessary expenses therefor and to take, or cause to be taken, all such further action and to execute and deliver

or cause to be executed and delivered, in the name of and on behalf of Resources, all such further instruments and documents as any such officer may deem to be necessary or advisable in order to effect the purpose and intent of the foregoing resolutions and to be in the best interests of Resources (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments and documents, as the case may be, by or under the direction of any such officer)."

FOURTH: This Certificate shall not be effective upon its filing date, but shall become effective at 9:00 A.M., Wilmington, Delaware time, on October 1, 1994 (the "Effective Date").

FIFTH: Upon the Effective Date, the name of the surviving corporation shall be changed to "DALEN Resources Oil & Gas Co."

IT WITNESS WHEREOF, Resources has caused this Certificate to be signed by its duly authorized officer this 19th day of September 1994.

PG&E RESOURCES COMPANY

By Joseph T. Williams
Name: Joseph T. Williams
Title: President

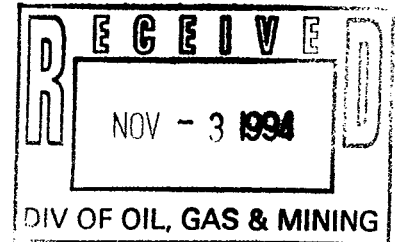
DALEN Resources
Oil & Gas Co.



October 31, 1994

Kent E. Johnson
Vice President
Exploration/Development

STATE OF UTAH NATURAL RESOURCES
OIL & GAS MINING
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attn: Gil Hunt



Re: Name Change
PG&E Resources Company

Gentlemen:

Effective October 1, 1994, PG&E Resources Company (PG&ER) changed its name to **DALEN** Resources Oil & Gas Co. As a result of this action, all activities previously conducted in the name of PG&E Resources Company will subsequently be conducted by **DALEN** Resources Oil & Gas Co.. No changes in ownership, personnel, office address, telephone numbers, or business practices were caused by this name change.

Please revise your records by replacing PG&E Resources Company or PG&E Resources Offshore Company with **DALEN** Resources Oil & Gas Co.

Very truly yours,

A handwritten signature in cursive script, reading "John R. Wingert".

John R. Wingert
Exploration Manager
Northern Division

JRW:lkd

Bureau of Land Management
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

3100
U-01470A
(UT-923)

NOV 29 1994

CERTIFIED MAIL---Return Receipt Requested

DECISION

DALEN Resources Oil & Gas Co. :
6688 N. Central Expwy., #1000 : Oil and Gas
Dallas, Texas 75206 : U-01470A et al

Corporate Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of PG&E Resources Company to DALEN Resources Oil & Gas Co. on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this decision. If additional documentation for changes of operator are required by our field offices, you will be contacted by them.

A rider to the Nationwide Bond No. U1870111 (BLM Bond No. WY2554) has been filed in the Wyoming State Office, in order to change the name of the principal on the bond. It has been examined and found to be satisfactory by that office.

/s/ ROBERT LOPEZ

Chief, Minerals
Adjudication Section

Enclosure
Exhibit

bc: Moab District Office w/encl.
Vernal District Office w/encl.
MMS-Data Management Division, Denver
UT-922 (Teresa Thompson) w/encl.

Post-It™ brand fax transmittal memo 7671		# of pages ▶ 2
To	LISHA CARDOUR	
From	CHRIS MERRITT	
Co.	STATE OF UTAH	
Co.	BLM	
Dept.	OIL & GAS	
Phone #	539-4109	
Fax #	359-3940	
Fax #	539-4260	

CMerritt:dab 11/25/94 (U01470A)

List of Leases Affected

U-01470A	U-6632	UTU-65615	UTU-68631
U-01790	U-6634	UTU-66004	UTU-69024
U-02896A	U-7206	UTU-66027	UTU-69166
U-03505	U-10291	UTU-66033	UTU-69482
U-03576	U-10760	UTU-66184	UTU-69744
U-013429A	U-11385	UTU-66185	UTU-72104
U-013765	U-12942	UTU-66187	UTU-73087
U-013766	U-13905	UTU-66193	UTU-73089
U-013767	U-14236	UTU-66484	UTU-73433
U-013769	U-15392	UTU-66743	UTU-73512
U-013769A	U-16172	UTU-67168	U-47453 ROW
U-013769B	U-16535	UTU-67841	U-49204 ROW
U-013769C	U-16539	UTU-67857	U-49205 ROW
U-013792	U-16544	UTU-67996	U-49223 ROW
U-013793	U-17036	UTU-67997	U-49236 ROW
U-013793A	U-17424	UTU-68108	U-49243 ROW
U-013794	U-19267	UTU-68109	U-50487 ROW
U-013818A	U-30096	UTU-68316	U-50488 ROW
U-013820	U-39221	UTU-68328	U-50497 ROW
U-013821A	U-39713	UTU-68330	U-50806 ROW
U-017713	U-39714	UTU-68338	U-50809 ROW
U-035316	U-40026	UTU-68346	U-50825 ROW
U-037164	U-46825	UTU-68347	U-50833 ROW
U-0141644	U-47171	UTU-68348	U-53910 ROW
U-0143519	U-49092	UTU-68388	U-54803 ROW
U-0143520A	U-50750	UTU-68402	U-61946 ROW
U-0143521A	U-52765	UTU-68544	U-63969 ROW
U-0147541	U-55626	UTU-68548	UTU-69111 ROW
U-0147541A	U-58546	UTU-68619	
U-2838	U-61052	UTU-68624	
U-6610	U-61189	UTU-68625	
U-6612	U-62657	UTU-68626	
U-6615	UTU-65218	UTU-68627	

U-034217A *Confirmed BLM/SL
11-29-94. Lee

UTAH WELLS

8/24/94

WELL NAME	LOCATION	SEC-TWNSHIP-RANGE	COUNTY	LEASE NUMBER	API NO.
✓ Federal #23-33-B	NE/4 SW/4	33-8S-16E	Duchesne	U-49092	43-013-31251
✓ Federal #31-5-G	NW/4 NE/4	5-9S-16E	Duchesne	U-30096	43-013-31252
✓ Federal #33-33-B	NW/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31268
✓ Federal #34-33-B	SW/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31269
✓ Federal #44-33-B	SE/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31270
✓ Federal #13-34-B	NW/4 SW/4	34-8S-16E	Duchesne	U-47171	43-013-31271
✓ Federal #21-4-G	NE/4 NW/4	4-9S-16E	Duchesne	U-30096	43-013-31272
✓ Federal #22-5-G	SE/4 NW/4	5-9S-16E	Duchesne	U-30096	43-013-31273
✓ Federal #13-33-B	NW/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31277
✓ Castle Peak Federal #43-5-G	NE/4 SE/4	5-9S-16E	Duchesne	U-134217A	43-013-30858
✓ Federal #33-36	NW/4 SE/4	36-11S-14E	Duchesne		43-013-30486

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1	REC/GIL
2	LWP 7-PL
3	DP-8-SJ
4	VLC-9-FILE
5	RJF
6	LWP

XXX Change of Operator (~~well sold~~)

☐ Designation of Agent

☐ Designation of Operator

XXX Operator Name Change ~~Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-94)

TO (new operator) **DALEN RESOURCES OIL & GAS CO.** FROM (former operator) **PG&E RESOURCES COMPANY**
(address) **6688 N CENTRAL EXP STE 1000** (address) **6688 N CENTRAL EXP STE 1000**
DALLAS TX 75206-3922 **DALLAS TX 75206-3922**

phone (214) 750-3800
account no. N3300 (11-29-94)

phone (214) 750-3800
account no. N0595

Well(s) (attach additional page if needed):

***WELLS DRAW (GRRV) UNIT**

***WEST WILLOW CREEK UNIT**

Name: **SEE ATTACHED**	API: <u>013-31273</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 10-3-94)
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 10-3-94)
- Lee 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #FN001519. "Dalen Resources Corp." eff. 6-15-94.
- Lee 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (11-29-94)
- Lee 6. Cardex file has been updated for each well listed above. 12-7-94
- Lee 7. Well file labels have been updated for each well listed above. 12-8-94
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (11-29-94)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *Surety U1870145/80,000. "Rider to Dater" rec'd 10-3-94. # Trust Land/Ed "Rider" Appr. 10-5-94 # U2164274/80,000.*

- Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new ^{*Upon compl. of routing.*} and former operators' bond files.
- Lee* 3. The former operator has requested a release of liability from their bond (yes/no) ____.
- N/A* Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

DTD 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓* 1. All attachments to this form have been microfilmed. Date: December 15 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

94/11/08 Btm/s.Y. Not appr. yet!

94/11/25 " Appr. 'd.

**ENSERCH
EXPLORATION^{INC}**

4849 Greenville Ave., Suite 1200
Dallas, Texas 75206-4186
214/369-7893

January 11, 1996

Bureau of Land Management
Utah State Office
324 South State
Salt Lake City, UT 84111

Attention: Mr. Chris Merritt

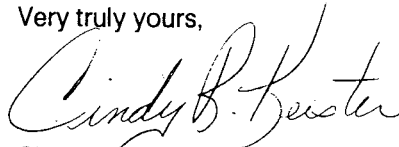
RE: Operator Name Change

Dear Mr. Merritt:

DALEN Resources Oil & Gas Co. has been merged into Enserch Exploration, Inc. effective January 1, 1996. Attached is a list of the properties that were operated by DALEN Resources and a copy of the Certificate of Merger from the Secretary of the State of Texas. Please change the operator name on these properties. Enserch Exploration, Inc. operates under Nationwide Bond No. 203826, BLM assigned No. MT-0680.

If you have any questions or need further information, please contact the undersigned at (214) 987-6363.

Very truly yours,



Cindy R. Keister
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Vernal BLM Office w/attachments

United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

FEB 12 1996

IN REPLY REFER TO:
3100
U-01470A et al
UT-923

FEB 09 1996

NOTICE

Enserch Exploration, Inc.	:	Oil and Gas
4849 Greenville Ave., Suite 1200	:	U-01470A et al
Dallas, Texas 75206-4186	:	

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of DALEN Resources Oil & Gas Co. into Enserch Exploration, Inc. with Enserch Exploration, Inc. being the surviving entity.

For our purposes, the merger is recognized effective December 31, 1995 (Secretary of State's approval date).

The oil and gas lease files identified on the enclosed exhibit have been noted as to the merger. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field offices, you will be contacted by them.

If you identify other leases in which the merging entity maintains an interest, please contact this office and we will appropriately document those files with a copy of this notice.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from DALEN Resources Oil & Gas Co. to Enserch Exploration, Inc. on Bond No. U1870111 (BLM Bond No. WY2554). This is a nationwide bond held in the Wyoming State Office. Enserch Exploration, Inc. has a nationwide bond, No. 203826 (BLM Bond No. MT0680) on file in the Montana State Office. Only one of the bonds is required to cover liabilities for lease obligations. However, both bonds will remain in effect until the principal/obligor advises the appropriate BLM State Office which bond it wishes to maintain and which bond it wishes to have the period of liability terminated. A rider, assuming any and all liabilities of the bond you wish to terminate must be submitted for approval to the appropriate BLM State Office. If you have any questions concerning the bonding, please contact Irene Anderson at (801) 539-4108.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure

1. Exhibit (1p)

bc: State of Utah, Division of Oil, Gas & Mining, Attn: Lisha Cordova,
3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1204
MMS-Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
Moab District Office
Vernal District Office
Teresa Thompson (UT-920)
Irene Anderson (UT-923)

Exhibit of Leases

U-01470A	U-0143521A	U-52765	UTU-68328
U-01790	U-0147541	U-55626	UTU-68330
U-02896A	U-0147541A	U-58546	UTU-68338
U-03505	U-2838	U-61052	UTU-68346
U-03576	U-7206	U-61189	UTU-68347
U-013429A	U-10291	U-62657	UTU-68348
U-013765	U-10760	UTU-65218	UTU-68388
U-013766	U-11385	UTU-65472	UTU-68402
U-013767	U-13905	UTU-65615	UTU-68544
U-013769	U-14236	UTU-65949	UTU-68548
U-013769A	U-15392	UTU-66004	UTU-68619
U-013769B	U-16535	UTU-66027	UTU-68624
U-013769C	U-16539	UTU-66033	UTU-68625
U-013792	U-16544	UTU-66184	UTU-68626
U-013793	U-17036	UTU-66185	UTU-68627
U-013793A	U-17424	UTU-66193	UTU-68631
U-013794	U-19267	UTU-66484	UTU-69024
U-013818A	U-30096	UTU-66743	UTU-69166
U-013820	U-39221	UTU-67168	UTU-69482
U-013821A	U-39713	UTU-67841	UTU-72104
U-017713	U-39714	UTU-67857	UTU-73087
U-035316	U-40026	UTU-67996	UTU-73089
U-037164	U-47171	UTU-67997	UTU-73433
U-0141644	U-49092	UTU-68108	UTU-73512
U-0143519	U-50750	UTU-68109	UTU-74805
U-0143520A	U-51081	UTU-68316	UTU-74806
U-034217A	U-07978	UTU-72108	UTU-74872

Wells Draw Unit (UTU-72613A)
West Willow Creek Unit (UTU-73218X)
Pleasant Valley Unit (UTU-74477X)

**ARTICLES OF MERGER OF
DALEN Corporation
INTO
Enserch Exploration, Inc.**

FILED
In the Office of the
Secretary of State of Texas

DEC 19 1995

Corporations Section

Pursuant to the provisions of Article 5.16 of the Texas Business Corporation Act, Enserch Exploration, Inc., a corporation organized under the laws of the State of Texas ("Parent Corporation"), and owning at least ninety percent of the shares of DALEN Corporation, a corporation organized under the laws of the State of Delaware ("Subsidiary Corporation"), hereby executes the following Articles of Merger:

1. The name of the Parent Corporation is Enserch Exploration, Inc. The name of the Subsidiary Corporation is DALEN Corporation. Enserch Exploration, Inc. is incorporated in Texas, and DALEN Corporation is incorporated in Delaware.

2. The following is a copy of resolutions of the Board of Directors of Enserch Exploration, Inc. or Parent Corporation ("Enserch") adopted on December 5, 1995:

"WHEREAS Section 5.16 of the Texas Business Corporation Act permits short-form mergers if the subsidiary is a foreign corporation and the parent is a Texas corporation, provided that this procedure is permitted by the laws of the foreign corporation's jurisdiction of incorporation and

"WHEREAS Section 253 of the General Corporation Law of Delaware provides for short-form mergers between a domestic subsidiary corporation and a foreign parent corporation,

"RESOLVED, That DALEN Corporation, a Delaware corporation ('DALEN'), which is a wholly-owned subsidiary of Enserch, merge with and into Enserch Exploration, Inc. pursuant to Section 5.16 of the Texas Business Corporation Act (the 'Merger'), effective as of 4:55 P.M., Dallas, Texas time, on December 31, 1995, and that Enserch Exploration, Inc. assume all of the obligations of DALEN at such time; and

"FURTHER RESOLVED, That the proper officers of this Company are hereby authorized and empowered to file with the Secretary of State of the State of Texas Articles of Merger and with the Secretary of State of Delaware a Certificate of Ownership and Merger to effect the Merger of DALEN into this Company and to take, or cause to be taken, all such further action and to execute and deliver or cause to be executed and delivered, in the name of and on behalf of this Company, all such further instruments and documents as any such officer may deem to be necessary or advisable in order to effect the purpose and intent of the foregoing resolutions and to be in the best interests of this Company (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments and documents, as the case may be, by or under the direction of any such officer)."

3. The number of outstanding shares of each class of the Subsidiary Corporation and the number of shares of each class owned by the surviving Parent Corporation is:

Company	Class	No. of Shares Outstanding	No. of Shares Owned by Parent Corporation
Subsidiary Corporation	Common	100	100

4. The laws of Delaware, the jurisdiction under which Subsidiary Corporation is organized, permit such a merger.

Dated this 12th day of December, 1995.

ENSERCH EXPLORATION, INC.

By: J. W. Pinkerton
Name: J. W. Pinkerton
Title: Vice President and Controller,
Chief Accounting Officer



The State of Texas

SECRETARY OF STATE CERTIFICATE OF MERGER

The undersigned, as Secretary of State of Texas, hereby certifies that the attached Articles of Merger of

DALEN CORPORATION
a Delaware no permit corporation
with
ENSERCH EXPLORATION, INC.
a Texas corporation

have been received in this office and are found to conform to law. ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the Secretary by law, hereby issues this Certificate of Merger.

Dated December 19, 1995.

Effective December 31, 1995 04:55 PM



Antonio O. Garza, Jr.
Secretary of State



The State of Texas

SECRETARY OF STATE

I, ANTONIO O. GARZA, JR., Secretary of State of Texas, DO HEREBY CERTIFY that Articles of Merger of **ENSERCH EXPLORATION, INC.** (Charter No. 1323890-00), a **TEXAS** corporation, and **DALEN CORPORATION**, a **DELAWARE** (No Permit) corporation, were filed in this office on **DECEMBER 19, 1995**, for which a certificate of merger was issued; and that according to the terms of the merger the surviving corporation is **ENSERCH EXPLORATION, INC.**, a **TEXAS** corporation.



IN TESTIMONY WHEREOF, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in the City of Austin, on December 19, 1995.

1087.

Antonio O. Garza, Jr.
Secretary of State

MAC

UTAH WELLS
ENSERCH EXPLORATION, INC.

1/11/96

UNIT	WELL		LSE NO.	API NO.	QTR	SEC.	TWN	RANGE	COUNTY	
*	Federal	11- 4G	U-30096	✓ 43-013-31250	NW NW	4	9S	16E	Duchesne	
*	Federal	12- 4G	U-30096	✓ 43-013-3699	SW NW	4	9S	16E	Duchesne	30699
✓ *	Federal	21- 4G	U-30096	43-013-31272	NE NW	4	9S	16E	Duchesne	(w/w)
*	Federal	31- 4G	U-30096	✓ 43-013-31228	NW SE	4	9S	16E	Duchesne	
*	Federal	42- 4G	U-30096	✓ 43-013-30638	SE NE	4	9S	16E	Duchesne	
*	Federal	21- 5G	U-30096	✓ 43-013-30698	NE NW	5	9S	16E	Duchesne	30698
✓ *	Federal	22- 5G	U-30096	✓ 43-013-31273	SE NW	5	9S	16E	Duchesne	
*	Federal	23- 5G	U-30096	✓ 43-013-31207	NE SW	5	9S	16E	Duchesne	
*	Federal	31- 5G	U-30096	✓ 43-013-31252	NW NE	5	9S	16E	Duchesne	
✓ *	Federal	32- 5G	U-30096	43-013-30670	SW NE	5	9S	16E	Duchesne	(w/w)
✓ *	Federal	41- 5G	U-30096	43-013-31205	NE SW	5	9S	16E	Duchesne	(w/w)
*	Federal	43- 5G	U-034217-A	43-013-30858	NE SE	5	9S	16E	Duchesne	
*	Federal	13- 33B	U-49092	✓ 43-013-31277	NW SW	33	8S	16E	Duchesne	
✓ *	Federal	14- 33B	U-49092	43-013-31229	SW SW	33	8S	16E	Duchesne	(w/w)
*	Federal	23- 33B	U-49092	✓ 43-013-31251	NE SW	33	8S	16E	Duchesne	
*	Federal	24- 33B	U-49092	✓ 43-013-31214	SE SW	33	8S	16E	Duchesne	
*	Federal	33- 33B	U-49092	✓ 43-013-31268	NW SE	33	8S	16E	Duchesne	
✓ *	Federal	34- 33B	U-49092	43-013-31269	SW SE	33	8S	16E	Duchesne	(w/w)
✓ *	Federal	43- 33B	U-49092	43-013-31240	NE SE	33	8S	16E	Duchesne	(w/w)
*	Federal	44- 33B	U-49092	✓ 43-013-31270	SE SE	33	8S	16E	Duchesne	
*	Federal	13- 34B	U-47171	✓ 43-013-31271	NW SW	34	8S	16E	Duchesne	
✓ *	Federal	14- 34B	U-47171	43-013-31225	SW SW	34	8S	16E	Duchesne	(w/w)
*	Federal	23- 34B	U-47171	✓ 43-013-31241	NE SW	34	8S	16E	Duchesne	
**	Federal	14- 4	U-07978	✓ 43-013-30671	SW SW	4	9S	17E	Duchesne	
**	Federal	34- 5	UTU-72108	✓ 43-013-30721	SW SE	5	9S	17E	Duchesne	
**	Federal	44- 5	UTU-72108	✓ 43-013-30913	SE SE	5	9S	17E	Duchesne	
**	Federal	12- 8H	U-10760	✓ 43-013-30680	SW NW	8	9S	17E	Duchesne	
**	Federal	21- 8H	U-10760	✓ 43-013-31460	NE NW	8	9S	17E	Duchesne	
**	Federal	22- 8H	U-10760	✓ 43-013-31457	SE NW	8	9S	17E	Duchesne	
**	Federal	31- 8H	U-10760	✓ 43-013-30679	NW NE	8	9S	17E	Duchesne	
**	Federal	32- 8H	U-10760	✓ 43-013-30542	SW NE	8	9S	17E	Duchesne	
**	Federal	41- 8H	U-10760	✓ 43-013-30741	NE NE	8	9S	17E	Duchesne	
**	Federal	42- 8H	U-10760	✓ 43-013-30678	SE NE	8	9S	17E	Duchesne	ORL
	Federal	24- 15H	U-10760	✓ 43-013-30681	SE SW	15	9S	17E	Duchesne	
**	Federal	11- 9H	U-50750	✓ 43-013-30887	NW NW	9	9S	17E	Duchesne	
**	Federal	12- 9H	U-50750	✓ 43-013-30983	SW NW	9	9S	17E	Duchesne	
**	Federal	13- 9H	U-50750	✓ 43-013-30656	NW SW	9	9S	17E	Duchesne	
**	Federal	14- 9H	U-50750	✓ 43-013-31459	SW SW	9	9S	17E	Duchesne	
	Federal	32-29	U-19267	✓ 43-047-31175	SWNE	29	9S	18E	WINSTON	POW

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

(MERGER)

Routing:

1- <u>DEC 7 1996</u>
2- <u>DP 357-FILE</u>
3- <u>VLD 8-FILE</u>
4- <u>RJF</u>
5- <u>LEC</u>
6- <u>SJ</u>

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-96)

TO (new operator) <u>ENSERCH EXPLORATION INC</u>	FROM (former operator) <u>DALEN RESOURCES OIL & GAS</u>
(address) <u>4849 GREENVILLE AVE STE 1200</u>	(address) <u>6688 N CENTRAL EXP #1000</u>
<u>DALLAS TX 75206</u>	<u>DALLAS TX 75206-3922</u>
<u>CINDY KEISTER</u>	<u>CINDY KEISTER</u>
phone (214) <u>987-6353</u>	phone (214) <u>987-6353</u>
account no. <u>N4940 (1-29-96)</u>	account no. <u>N3300</u>

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- LEC 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 1-22-96)*
- LEC 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 1-22-96)*
- LEC 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #171513. *(Ref. 1-4-95)*
- LEC 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- LEC 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-12-96)*
- LEC 6. Cardex file has been updated for each well listed above. *(2-12-96)*
- LEC 7. Well file labels have been updated for each well listed above. *(2-12-96)*
- LEC 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(2-12-96)*
- LEC 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- LC* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *Trustlands / Bond & lease update in progress!*

- LC* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A* 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A* 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- DR* 1. All attachments to this form have been microfilmed. Date: March 13 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

960212 BLM/SL Aprv. eff. 12-31-95.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 3 of 3

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

JOHN W PEARCE
 ENSERCH EXPLORATION INC
 6688 N CENTRAL EXP #1000
 DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N4940REPORT PERIOD (MONTH/YEAR): 8 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 13-33-B								
4301331277	11092	08S 16E 33	GRRV			U-49092	Wells Draw Unit	
FEDERAL 22-5-G								
4301331273	11103	09S 16E 5	GRRV			U-30096	"	
FEDERAL 13-34-B								
4301331271	11104	08S 16E 34	GRRV			U-47171	"	
STATE 31-32								
4304732500	11645	08S 18E 32	GRRV			ML-22058		
FEDERAL 41-29								
4304732495	11646	09S 18E 29	GRRV			U-19267		
FEDERAL 21-9H								
4301331458	11676	09S 17E 9	GRRV			U-50750	Pleasant Valley Unit	
FEDERAL 14-9H								
4301331459	11677	09S 17E 9	GRRV			U-50750	"	
FEDERAL 21-8H								
4301331460	11687	09S 17E 8	GRRV			U-10760	"	
FEDERAL 13-15H								
4301331698	12100	09S 17E 15	GRRV			U-74805		
FEDERAL 14-15H								
4301331695	12101	09S 17E 15	GRRV			U-74805		
FEDERAL 31R-9H (RE-ENTRY)								
4301331107	12102	09S 17E 9	GRRV			U-50750		
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. -

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 17th Street, Suite 1500, Denver, Colorado 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

Section 5, SE/4 NW/4 T9S-R16E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 22-5G

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

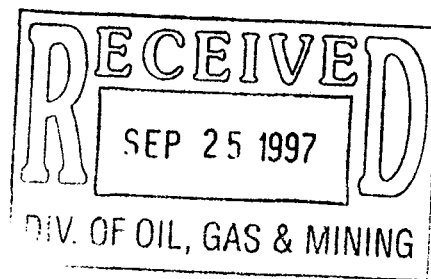
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Inland Production Company assumes operations of the above mentioned well effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Attorney-In-Fact Date 08/14/1997

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. --

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ENSERCH EXPLORATION INC.

3. Address and Telephone No.

4849 Greenville Avenue, Suite 1200, Dallas, Texas 75206-4186 (214) 369-7893

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 5, SE/4 NW/4 T9S-R16E

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 22-5G

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

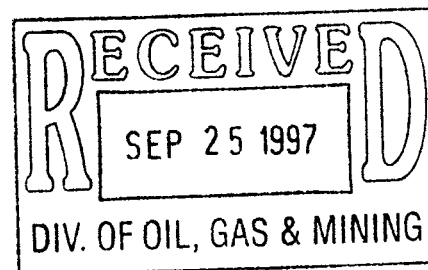
- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water
(Note: Report results of multiple completion on Well)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Enserch Exploration Inc. has sold its interest in the WDU #22-5G Federal to Inland Production Company and relinquishes operations effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Sr. Production Analyst Date 08/14/1997

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(June 1990)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 790233 Vernal, UT 84079 Phone No. (801) 789-1866

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SE/NW
Sec. 5, T9S, R16E**

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

Wells Draw

8. Well Name and No.

Wells Draw #22-5G

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

TYPE OF ACTION

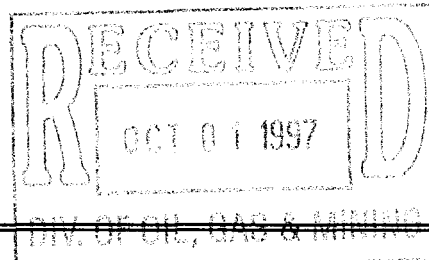
- | | |
|--|--|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input checked="" type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| <input type="checkbox"/> Casing repair | <input type="checkbox"/> Water Shut-off |
| <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| <input type="checkbox"/> Other _____ | <input type="checkbox"/> Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WEEKLY STATUS REPORT FOR WEEK OF 9/3/97 - 9/6/97:

**Spot 1350 gal 7 1/2% HCL acid w/ NEA-96, Claysta XP, HAI-81M, FE-1A & Xylene across perfs(4308'-5564')
Tag fluid @ 3500'. TOH w/ tbg to 2984'. Fill hole w/ 87 BW. Over displace 32 bbld acid into perfs w/
38 BW @ 2 BPM. Made 15 swab runs, rec 145 BTF w/ tr oil. Total load for Acid job 157 bbls.
Made 10 swab runs, rec 35 BTF w/ tr oil. FFL @ 5900'. TIH w/ production string. On production @ 6:45 pm,
9/6/97.**



14. I hereby certify that the foregoing is true and correct

Signed

Cheryl Cameron

Title

Regulatory Compliance Specialist

Date

9/11/97

(This space of Federal or State office use.)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

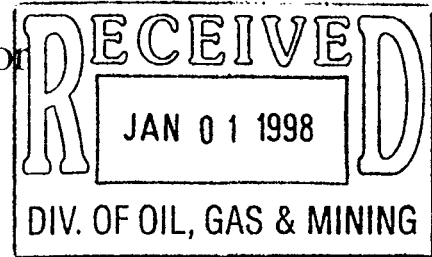
***See Instruction on Reverse Side**



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



December 31, 1997

Inland Production Company
c/o UnitSource Incorporated
11184 Huron Street, Suite 16
Denver, Colorado 80234

Re: Wells Draw (Green River) Unit
Duchesne County, Utah

Gentlemen:

On December 30, 1997, we received an indenture dated September 1, 1997, whereby Enserch Exploration, Inc. resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Wells Draw (Green River) Unit, Duchesne County, Utah.

The indenture was approved by all required parties and the parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective December 31, 1997. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Wells Draw (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Wells Draw (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ George Diwachak

for Robert A. Henricks
Chief, Branch of Fluid Minerals

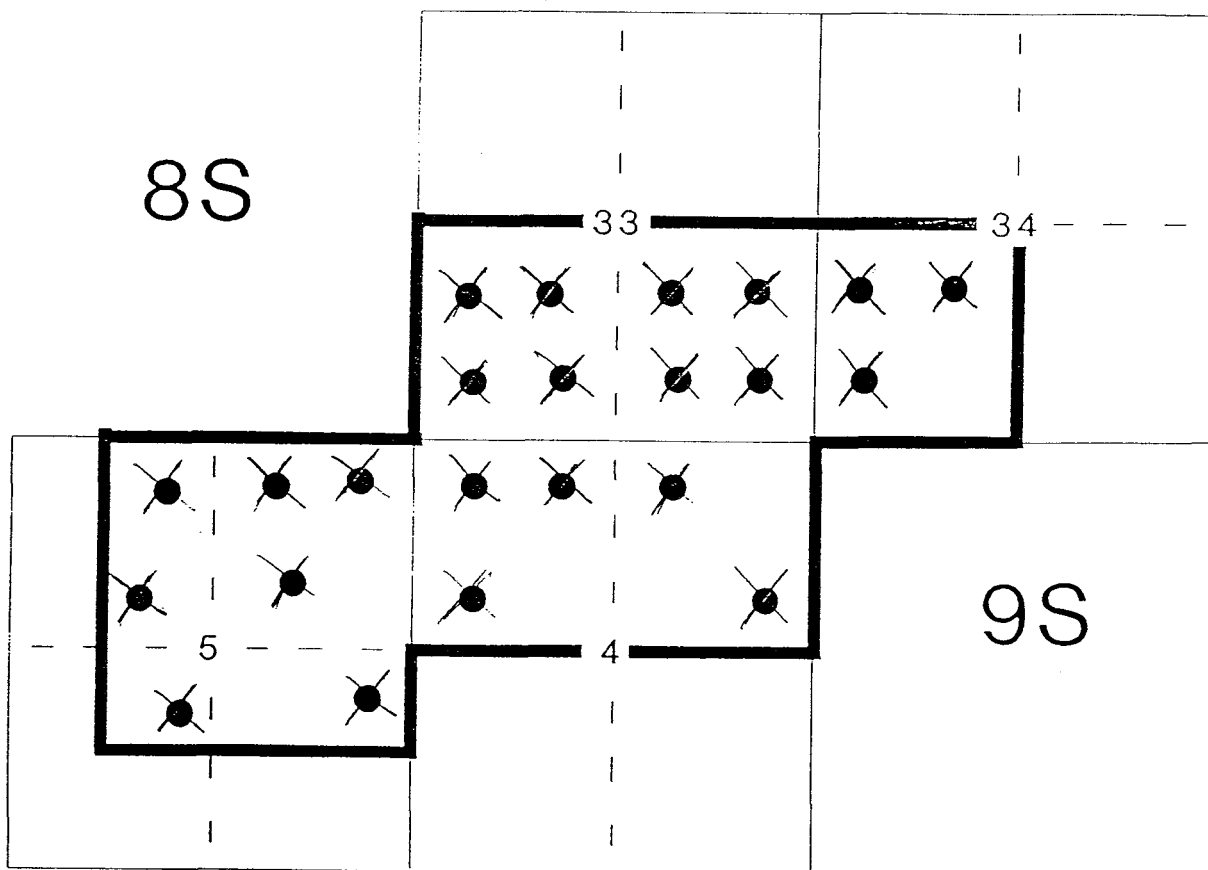
Enclosure

bcc: District Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
Minerals Adjudication Group U-932
File - Wells Draw (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:12/31/97

WELLS DRAW (GREEN RIVER) UNIT

Uintah County, Utah



— UNIT OUTLINE (UTU72613A)

SECONDARY
ALLOCATION
FEDERAL 100%

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR INLAND PRODUCTION CO
ADDRESS _____

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		12276							DUCHESNE		8-16-97
WELL 1 COMMENTS: *SEE ATTACHED LIST;OP CHG FR N4940 EFF 8-16-97 (WELLS DRAW (GRRV) UNIT) OPERATOR REQ CHG FOR TAX & ROYALTY; & DISPOSITION REPORTING.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)
A - Establish new entity for new well (single well only)
B - Add new well to existing entity (group or unit well)
C - Re-assign well from one existing entity to another existing entity
D - Re-assign well from one existing entity to a new entity
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)
Signature
ADMIN. ANALYST **1-2-98**
Title Date
Phone No. ()

INLAND PRODUCTION COMPANY
(N5160)

CURRENT ENTITY	NEW ENTITY	API NUMBER	WELL NO.	SEC-T-R	EFF. DATE
02043	12276	43-013-30858	43-5	05-09S-16E	8-16-97
06100	"	43-013-30699	12-4G	04-09S-16E	"
06105	"	43-013-30698	21-5G	05-09S-16E	"
06105	"	43-013-31207	23-5-G	05-09S-16E	"
06115	"	43-013-30638	42-4	04-09S-16E	"
10913	"	43-013-31214	24-33-B	33-08S-16E	"
10979	"	43-013-31228	31-4-G	04-09S-16E	"
11041	"	43-013-31241	23-34-B	34-08S-16E	"
11046	"	43-013-31250	11-4-G	04-09S-16E	"
11047	"	43-013-31251	23-33-B	33-08S-16E	"
11054	"	43-013-31252	31-5-G	05-09S-16E	"
11084	"	43-013-31270	44-33-B	33-08S-16E	"
11086	"	43-013-31268	33-33-B	33-08S-16E	"
11092	"	43-013-31277	13-33-B	33-08S-16E	"
11103	"	43-013-31273	22-5-G	05-09S-16E	"
11104	"	43-013-31271	13-34-B	34-08S-16E	"
10988	"	43-013-31229	14-33-B	33-08S-16E	"
11007	"	43-013-31240	43-33-B	33-08S-16E	"
11079	"	43-013-31269	34-33-B	33-08S-16E	"
10980	"	43-013-31225	14-34-B	34-08S-16E	"
11107	"	43-013-31272	21-4-G	04-09S-16E	"
10859	"	43-013-31205	41-5-G	05-09S-16E	"
06110	"	43-013-30670	32-5G	05-09S-16E	"

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-REC <input checked="" type="checkbox"/>	6-REC <input checked="" type="checkbox"/>
2-CH <input checked="" type="checkbox"/>	7-KAS <input checked="" type="checkbox"/>
3-DPS <input checked="" type="checkbox"/>	8-SI <input checked="" type="checkbox"/>
4-VLD <input checked="" type="checkbox"/>	9-FLE <input checked="" type="checkbox"/>
5-JRB <input checked="" type="checkbox"/>	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 8-16-97

TO: (new operator) INLAND PRODUCTION CO
 (address) PO BOX 1446
ROOSEVELT UT 84066

FROM: (old operator)
 (address)

ENSERCH EXPLORATION INC
4849 GREENVILLE AVE #1200
DALLAS TX 75206-4145

Phone: (801) 722-5103Account no. N5160Phone: (214) 987-7859Account no. N4940

WELL(S) attach additional page if needed:

*WELLS DRAW (GREEN RIVER) UNIT

Name: **SEE ATTACHED**	API: <u>43-013-31273</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 9-25-97)*
- Sec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 9-25-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- Sec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- Sec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-2-98) X UIC DBase & QuaPro*
- Sec 6. **Cardex** file has been updated for each well listed above. *(1-2-98)*
- Sec 7. Well **file labels** have been updated for each well listed above. *(1-2-98)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-2-98)*
- Sec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

ENTITY REVIEW

- Yes 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) yes If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Yes 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- Yes 2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 1/7/98 19 , of their responsibility to notify all interest owners of this change.

FILMING

- Yes 1. All attachments to this form have been **microfilmed**. Today's date: 1.20.98.

FILING

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

COMMENTS

980102 BLM/SL Aprv. Wells Draw (GREV) Unit & Aff. 12-31-97.



March 26, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Wells Draw Federal #22-5-G, Wells Draw Unit
Monument Butte Field, Lease #U-30096
Section 5-Township 9S-Range 16E
Duchesne County, Utah

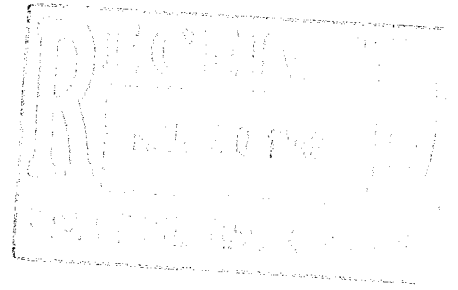
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Wells Draw Federal #22-5-G from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Debbie Knight at (303) 382-4434.

Sincerely,

John E. Dyer
Chief Operating Officer



INLAND PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

WELLS DRAW FEDERAL #22-5-G

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

WELLS DRAW UNIT

LEASE #U-30096

MARCH 26, 1998

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ATTACHMENT G-4	FRACTURE REPORT DATED 8-29-90
ATTACHMENT G-5	FRACTURE REPORT DATED 8-31-90
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

APPLICATION FOR INJECTION WELL - UIC FORM 1

Well Name and number:		Wells Draw #22-5-G	
Field or Unit name:		Monument Butte (Green River)	Wells Draw Unit
		Lease No. U-30096	
Well Location: QQ		SENW	section 5 township 9S range 16E county Duchesne
Is this application for expansion of an existing project? Yes [X] No []			
Will the proposed well be used for:			
Enhanced Recovery?		Yes [X] No []	
Disposal?		Yes [] No [X]	
Storage?		Yes [] No [X]	
Is this application for a new well to be drilled? Yes [] No [X]			
If this application is for an existing well,			
has a casing test been performed on the well?. Yes [X] No []			
Date of test: 8/22/90			
API number: 43-013-31273			
Proposed injection interval: from 4308' to 5564'			
Proposed maximum injection: rate 500 bpd pressure 2003 psig			
Proposed injection zone contains [X] oil, [] gas, and/or [] fresh water within 1/2 mile of the well.			
IMPORTANT: Additional information as required by R615-5-2 should accompany this form.			
List of Attachments: Exhibits "A" through "G"			
I certify that this report is true and complete to the best of my knowledge.			
Name: John E. Dyer		Signature	
Title Chief Operating Officer		Date 3/26/98	
Phone No. (303) 292-0900			
(State use only)			
Application approved by		Title	
Approval Date			

Comments:

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

Federal #22-5G

Spud Date: 5/25/90
Put on Production: 9/6/90

GL: 5786' KB: ?

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 24#
LENGTH: ? JTS
DEPTH LANDED: 311'
HOLE SIZE: 12-1/4"
CEMENT DATA: 210 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 17#
LENGTH: ? jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
CEMENT TOP AT: 1610'
SET AT: 6259'

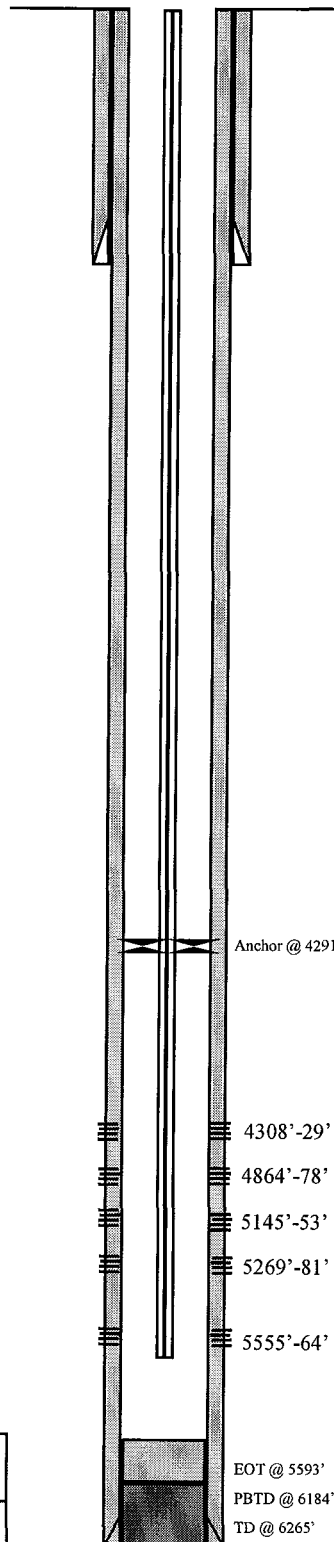
TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 180
TUBING ANCHOR: 4291'
SEATING NIPPLE: 2-7/8"
TOTAL STRING LENGTH: ?
SN LANDED AT: ?

SUCKER RODS

POLISHED ROD:
SUCKER RODS:
TOTAL ROD STRING LENGTH:
PUMP NUMBER:
PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: CBL/GR

Proposed Injection Wellbore Diagram



Initial Production: 171 BOPD, 0 MCFD
43 BWPD

FRAC JOB

4308'-4329'	41,800# 20/40 sd and 56,700# 16/30 sd
4864'-4878'	45,700# 20/40 sd and 57,800# 16/30 sd
5145'-5153'	15,300# 20/40 sd and 17,700# 16/30 sd
5269'-5281'	13,600# 20/40 sd and 18,100# 16/30 sd
5555'-5564'	14,300# 20/40 sd and 18,200# 16/30 sd

PERFORATION RECORD

5555'-5564'	4 JSPF	36 holes
5269'-5281'	4 JSPF	48 holes
5145'-5153'	4 JSPF	32 holes
4864'-4878'	4 JSPF	56 holes
4308'-4329'	4 JSPF	84 holes



Inland Resources Inc.

Federal #22-5-G

1837 FWL 2032 FNL

SENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #U-30096

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Wells Draw Federal #22-5-G from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit. See Attachment D.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Douglas Creek Member of the Green River Formation. In the Wells Draw Federal #22-5-G well, the proposed injection zone is from 4308'-5564' with the top at 4308'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4308'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Wells Draw Federal #22-5-G is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a ^{Federal} ~~State~~ lease (Lease #U-30096), in the Monument Butte (Green River) Field, Wells Draw Unit, and this request if for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 9-5/8", 53.5#, J-55 surface casing run to 311' GL, and the 5-1/2" casing run from surface to 6259' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2003 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The fracture gradient for the Wells Draw Federal #22-5-G, for proposed zones (4308' – 5564') calculates at .90 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2003 psig. See Attachment G through G-5.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Wells Draw Federal #22-5-G, the injection zone (4308'-5564') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor interbedded shale streaks. The estimated average porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shales. The porous and permeable lenticular sandstone varies in thickness from 0-31', and are confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shales. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-6.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Inland Production Company will supply any requested information to the Board or Division.

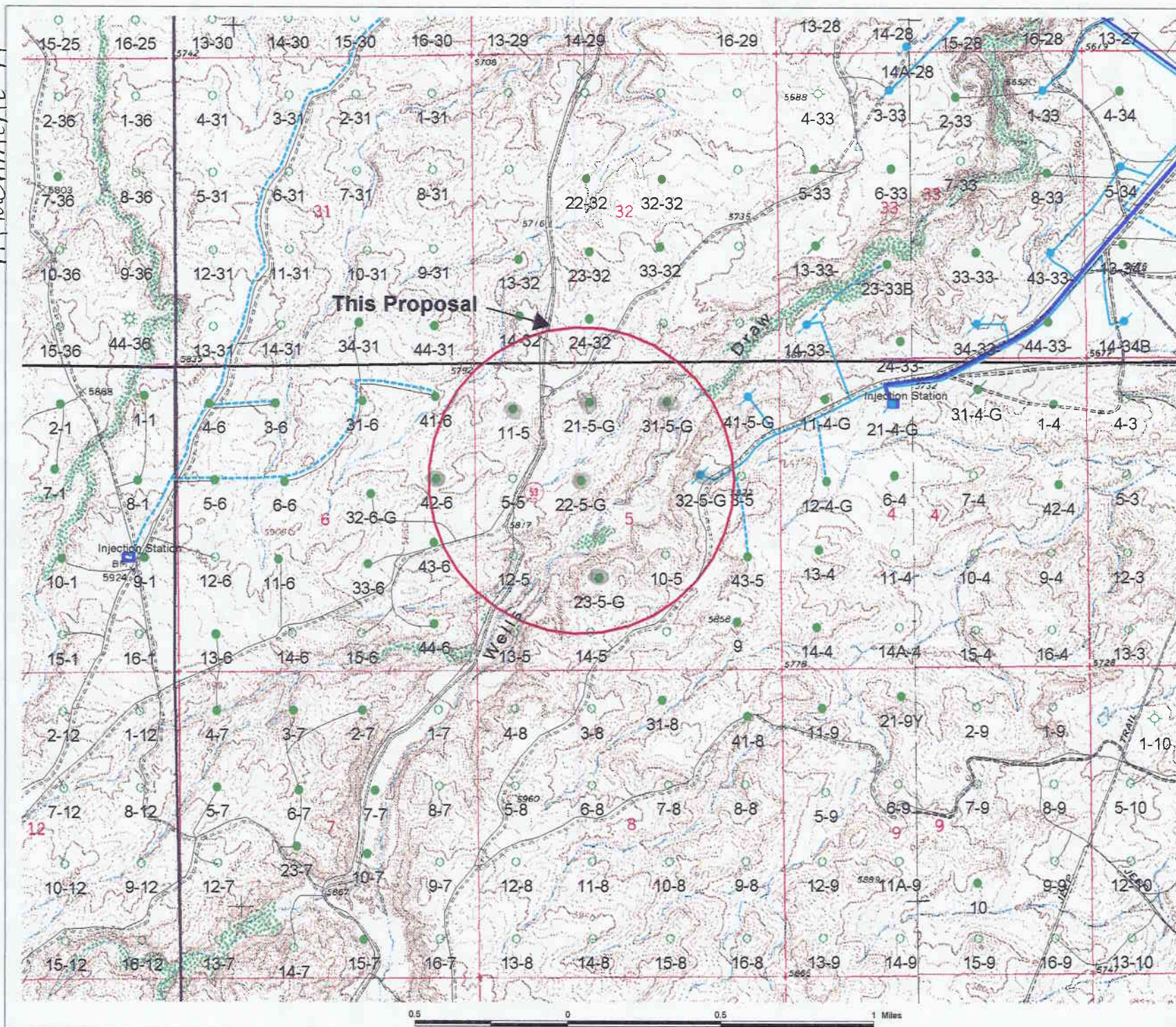


Exhibit "A"

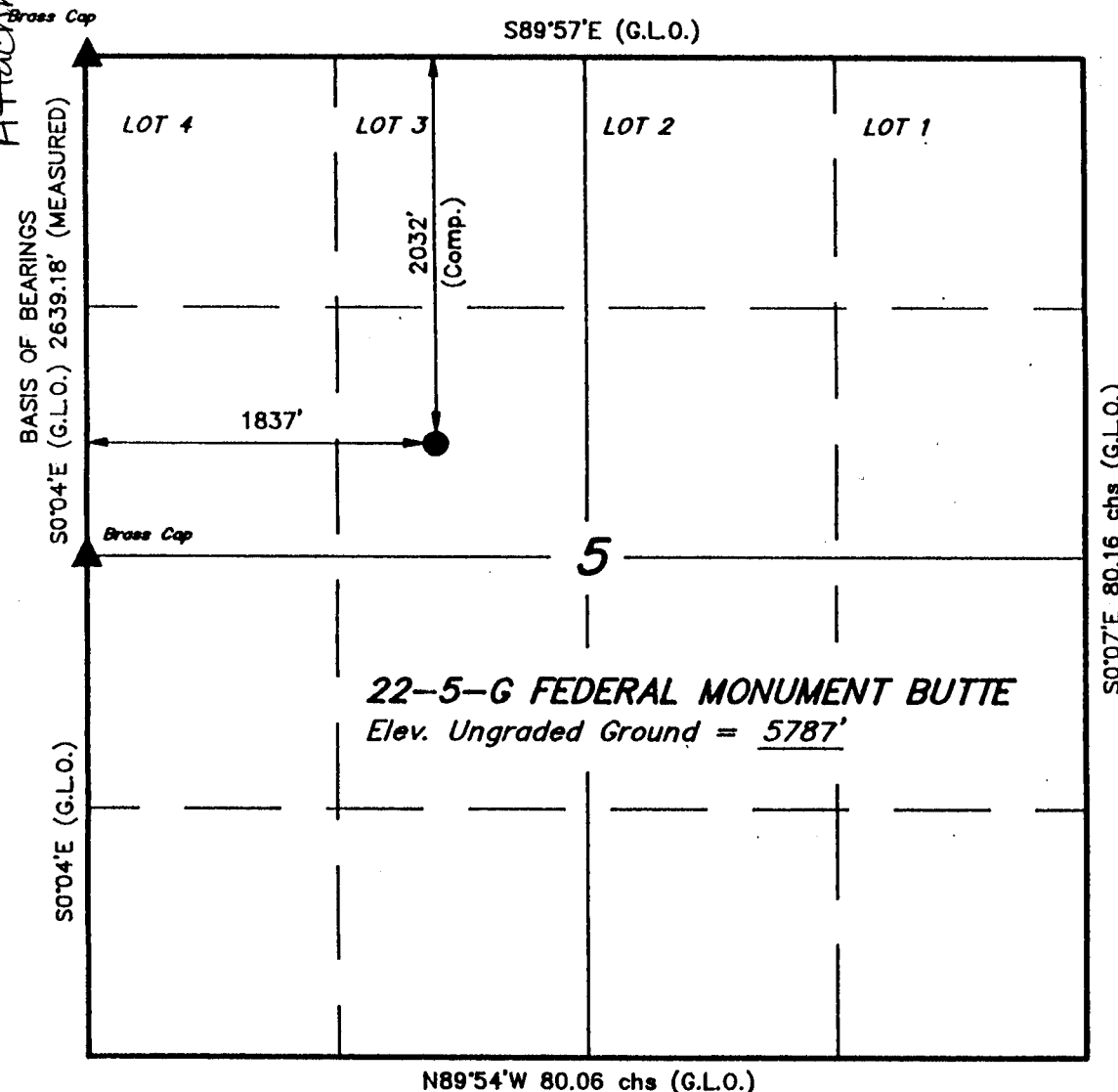
- Legend
- INJ
 - OIL
 - GAS
 - O&G
 - DRY
 - SHUTIN
 - LOC
 - Proposed Water 6"
 - Proposed Water 8"
 - Proposed Water 4"
 - Proposed Water 2-3"
 - Proposed Water

T9S, R16E, S.L.B.&M.

PG&E RESOURCES COMPANY

Well location 22-5-G FEDERAL MONUMENT BUTTE, located as shown in the SE 1/4 NW 1/4 of Section 5, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

Attachment A-1



▲ = SECTION CORNERS LOCATED.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 5, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5792 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

REVISED: 2-21-90 J.R.S.

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-7-90
PARTY D.A. J.F. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER COLD - CLEAR	FILE PG&E RESOURCES CO.

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 16 East Section 5: N/2SE/4	U-034217-A HBP	Inland Production Company	(Surface Rights) USA
2	Township 9 South, Range 16 East Section 4: Lots 1-4, S/2N/2; Section 5: Lots 1-3, S/2NE/4, SE/4NW/4, NE/4SW/4	UTU-30096 HBP	Inland Production Company Key Production Company, Inc	(Surface Rights) USA
3	Township 9 South, Range 16 East Section 3: Lots 3,4, S/2NW/4, SW/4 Section 4: NE/4SW/4, SE/4 Section 5: W/2SW/4, SE/4SW/4	UTU-73087 HBP	Inland Production Company	(Surface Rights) USA

Attachment B
(Pg 1 of 2)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	Township 9 South, Range 16 East Section 6: All Section 7: All Section 8: W/2 Section 9: NW/4SW/4 Section 17: NW/4 Section 18: L 1, 2, NE/4 E/2NW/4	UTU-74390 HBP	Inland Production Company Yates Petroleum Corp. ABO Petroleum Corp. Yates Drilling Company Myco Industries	(Surface Rights) USA
5	Township 9 South, Range 16 East Section 5: L 4, SW/NW	UTU-69744 HBP	Interline Resources Corporation Producers Pipeline Corporation	(Surface Rights) USA
6	Township 8 South, Range 16 East Section 32: All	ML-21836 HBP	Celsius Energy Co. Producers Pipeline Corp. Interline Resources Corporation	(Surface Rights) St. of Utah

Attachment B
(Pg 2 of 2)

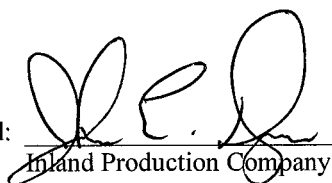
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Wells Draw Federal #22-5-G

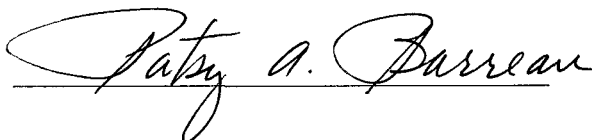
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

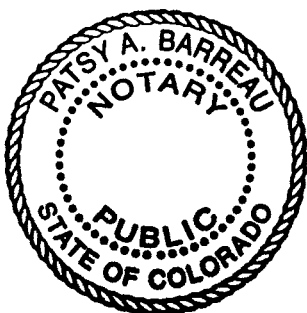
Signed:


Inland Production Company
John E. Dyer
Chief Operating Officer

Sworn to and subscribed before me this 26th day of March, 1998.

Notary Public in and for the State of Colorado:





My Commission Expires 11/14/2000

Federal #22-5G

Spud Date: 5/25/90
Put on Production: 9/6/90

GL: 5786' KB: ?'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 24#
LENGTH: ? JTS
DEPTH LANDED: 311'
HOLE SIZE: 12-1/4"
CEMENT DATA: 210 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 17#
LENGTH: ? jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
CEMENT TOP AT: 1610'
SET AT: 6259'

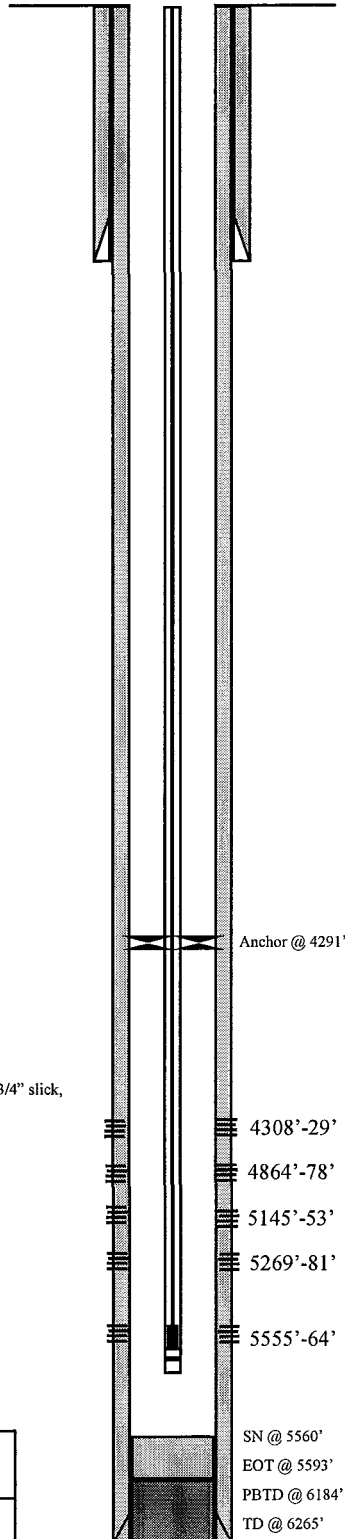
TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 180
TUBING ANCHOR: 4291'
SEATING NIPPLE: 2-7/8"
TOTAL STRING LENGTH: ?
SN LANDED AT: 5560'

SUCKER RODS

POLISHED ROD: 1-1/2"x22"
SUCKER RODS: 1-4", 1-8"x7/8" pony rods, 97-7/8" scraped, 115-3/4" slick,
9 sinker bars
TOTAL ROD STRING LENGTH:
PUMP NUMBER:
PUMP SIZE: 2-1/2"x1-3/4"x16" RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: CBL/GR

Wellbore Diagram



Initial Production: 171 BOPD, 0 MCFD
43 BWPD

FRAC JOB

4308'-4329'	41,800# 20/40 sd and 56,700# 16/30 sd
4864'-4878'	45,700# 20/40 sd and 57,800# 16/30 sd
5145'-5153'	15,300# 20/40 sd and 17,700# 16/30 sd
5269'-5281'	13,600# 20/40 sd and 18,100# 16/30 sd
5555'-5564'	14,300# 20/40 sd and 18,200# 16/30 sd

PERFORATION RECORD

5555'-5564'	4 JSPF	36 holes
5269'-5281'	4 JSPF	48 holes
5145'-5153'	4 JSPF	32 holes
4864'-4878'	4 JSPF	56 holes
4308'-4329'	4 JSPF	84 holes



Inland Resources Inc.

Federal #22-5G

1837 FWL 2032 FNL

SENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #U-30096

Federal #23-5G

Spud Date: 7/27/88
 Put on Production: 9/11/88
 GL: 5821' KB: 5836'

Initial Production: 116 BOPD, 300 MCFD
 64 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: L-80
 WEIGHT: 53.5#
 LENGTH: 7 JTS
 DEPTH LANDED: 300'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 17#
 LENGTH: 151 jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 195 sks Class "G" & 445 sks Class "G"
 CEMENT TOP AT: 1190'
 SET AT: 6000'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 184
 TUBING ANCHOR: 4812'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: ?
 SN LANDED AT: 5752'

SUCKER RODS

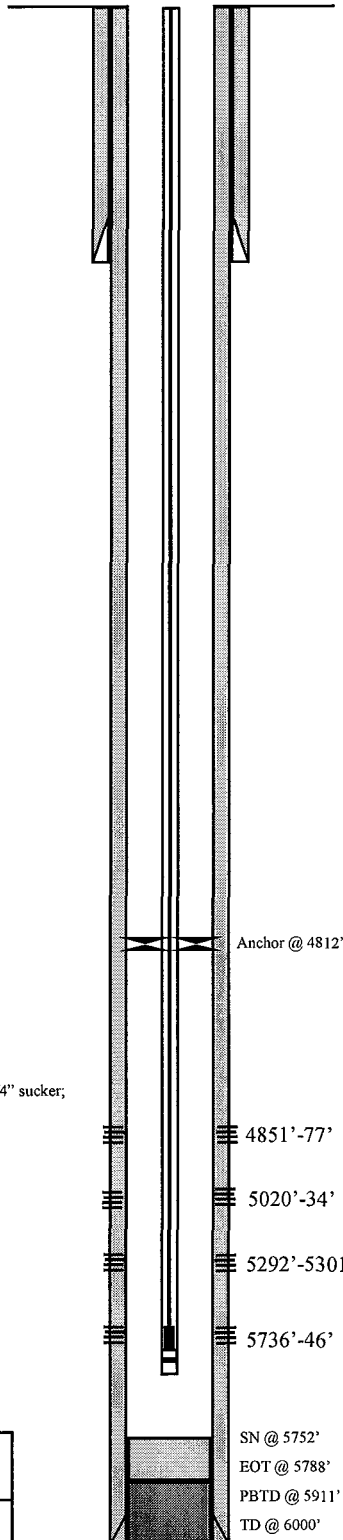
POLISHED ROD: 1-1/2"x22'
 SUCKER RODS: 1-4", 1-6"x7/8" pony rods; 85-7/8" scraped; 69-3/4" sucker;
 7 sinker bars; 63-3/4" sucker rods
 TOTAL ROD STRING LENGTH:
 PUMP NUMBER:
 PUMP SIZE: 2-1/2"x1-3/4"x16" RHAC
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: DIL/SFL/FDC/CNL/GR/CAL/CBL

FRAC JOB

8-18-90	5736'-5746'	961 bbls, 102,000# 20/40 sand. ISIP-2010 psi, 5 min 1836 psi. Avg rate of 40 BPM @ 1900 psi.
8-20-90	5292'-5301'	564 bbls, 54,000# 20/40 sand. ISIP-1950 psi, 5 min 1525 psi. Avg rate of 30 BPM @ 2050 psi.
8-22-90	5020'-5034'	890 bbls, 92,000# 20/40 sand. ISIP-2560 psi, 5 min 1708 psi. Avg rate of 35 BPM @ 2148 psi.
8-24-90	4851'-4877'	1453 bbls, 136,000# 20/40 sand. ISIP-2078 psi, 5 min 1817 psi. Avg rate of 45 BPM @ 2000 psi.

PERFORATION RECORD

8-17-90	5736'-5746'	4 JSPF	40 holes
8-19-90	5292'-5301'	4 JSPF	36 holes
8-21-90	5020'-5034'	4 JSPF	56 holes
8-23-90	4851'-4877'	4 JSPF	104 holes



Inland Resources Inc.

Federal #23-5G

2134 FWL 1592 FSL

NESW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31207; Lease #U-30096

Federal #21-5G

Spud Date: 3/28/83
Put on Production: 8/29/83

GL: 5797' KB: ?'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 32#
LENGTH: ? JTS
DEPTH LANDED: 311'
HOLE SIZE: 12-1/4"
CEMENT DATA: 215 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: ? jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 338 sks BS Lite & 863 sks 50/50 Poz
CEMENT TOP AT:
SET AT: 6500'

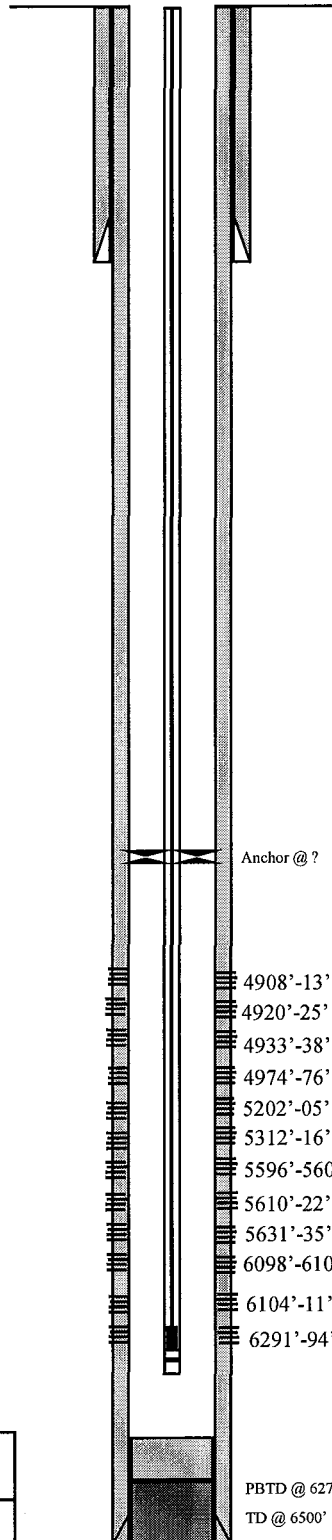
TUBING

SIZE/GRADE/WT:
NO. OF JOINTS:
TUBING ANCHOR:
SEATING NIPPLE:
TOTAL STRING LENGTH: ?
SN LANDED AT:

SUCKER RODS

POLISHED ROD:
SUCKER RODS:
TOTAL ROD STRING LENGTH:
PUMP NUMBER:
PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: CBL/GR

Wellbore Diagram

FRAC JOB

6098'-6111'	76,000# 20/40 sd and 31,440 gal Versagel
5596'-5635'	144,000# 20/40 sd and 41,270 gal Versagel
5202'-5312'	98,000# 20/40 sd and 31,150 gal Versagel
4908'-4974'	180,000# 20/40 sd and 50,290 gal Versagel

PERFORATION RECORD

6291'-6294'	3 SPF	10 holes
6104'-6111'	1 SPF	4 holes
6098'-6101'	1 SPF	8 holes
5631'-5635'	1 SPF	5 holes
5610'-5622'	1 SPF	13 holes
5596'-5601'	1 SPF	6 holes
5312'-5316'	1 SPF	5 holes
5202'-5205'	2 SPF	7 holes
4974'-4976'	1 SPF	3 holes
4933'-4938'	1 SPF	6 holes
4920'-4925'	1 SPF	6 holes
4908'-4913'	1 SPF	6 holes

PBTD @ 6270'
TD @ 6500'



Inland Resources Inc.

Federal #21-5-G

637 FNL 2005 FWL

NENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-33698; Lease #U-30096

Federal #31-5G

Spud Date: 1/15/90
Put on Production: 4/7/90
GL: 5701' KB: 5712'

Initial Production: 100 BOPD, 0 MCFD
100 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 13-3/8" conductor and 8-5/8" surface
GRADE: H-40 and K-55
WEIGHT: 48# and 24#
LENGTH: 30' and 8 jts (320')
DEPTH LANDED: 30' and 332'
HOLE SIZE: 17-1/2" and 12-1/4"
CEMENT DATA: Conductor: 6 c/yd sand/cmt grout mix and surface 225
sxs Class "G", 2% CaCl₂, 1/4#s/cello flake

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 6390'
HOLE SIZE: 7-7/8"
CEMENT DATA: 318 sxs DS Hi Lift. Tail w/535 sxs DS 10-0 RFC
CEMENT TOP AT:
SET AT: 6388'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 193
TUBING ANCHOR: 4215'
SEATING NIPPLE: 2-7/8"
TOTAL STRING LENGTH: 6076'
SN LANDED AT: 6045'

SUCKER RODS

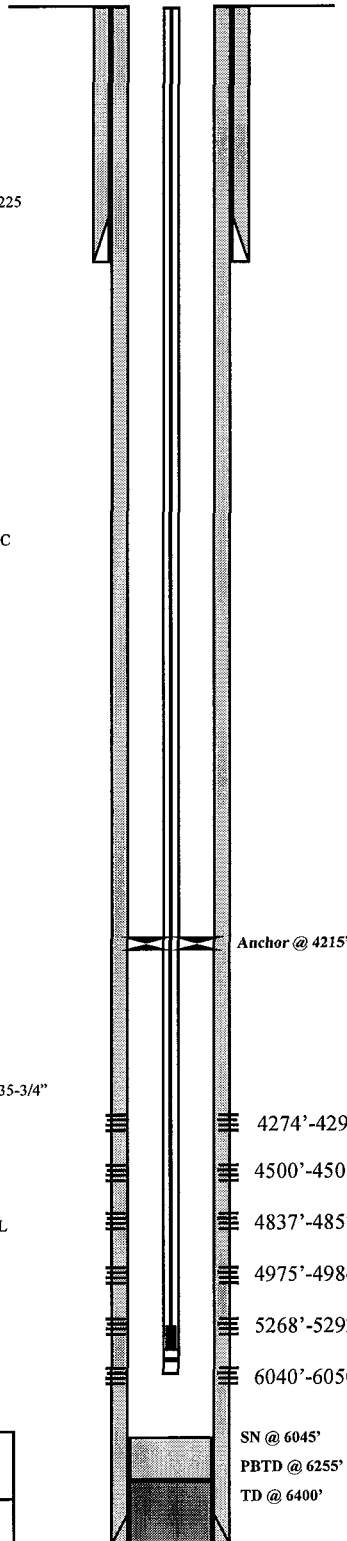
POLISHED ROD: 1-1/2"x22'
SUCKER RODS: 1-6' and 1-8' x7/8" pony rods; 95-7/8" scraped; 135-3/4"
sucker rods; 9 sinker bars;
PUMP SIZE: 2-1/2"x1-1/2"x16' RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: FDC, CNL, GR, DUAL LATERLOG, MSFL, CBL, GR, VDL

FRAC JOB

4274'-4291'	35,100# 20/40 ss, 4,000# 16/30 ss, 844 bbls fluid @ avg 42 BPM @ 2200, ISIP 2430
4500'-4508'	24,100# 20/40 ss, 34,600 16/30, 641 bbls fluid @ avg 35 BPM @ 2500, ISIP 2750
4837'-4857'	52,500# 20/40 ss, 15,000# 16/30 ss, cut job short 1045 bbls fluid, @ avg 45 BPM @ 2400, ISIP 2250
4975'-4984'	32,230# 20/40 ss 35,770 16/30, 784 bbls fluid @ avg 42 BPM @ 2300l, screened off 1/2 flush
5268'-5292'	57,500# 20/40 ss, 69,000# 16/30 ss, 1270 bbls fluid, @ avg 45 BPM @ 1900#, ISIP 2050
6040'-6050'	32,300# 20/40 ss, 42,500 #16/30 ss, 858 bbls fluid, @ avg 35 BPM @ 1950, ISIP 2150

PERFORATION RECORD

4274'-4291'	4 SPF	69 Holes
1200'-4508'	4 SPF	37 Holes
4837'-4857'	4 SPF	81 Holes
4975'-4984'	4 SPF	37 Holes
5268'-5292'	4 SPF	82 Holes
6040'-6050'	4 SPF	41 Holes



Inland Resources Inc.

Federal #31-5G

685' FNL 1925' FEL

NWNE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31252; Lease #U-30096

NGC Federal #32-5G

Spud Date: 7/19/82
 Put on Production: 11/14/82
 GL: 5809' KB: 5823'

Initial Production: ? BOPD, ?
 MCFPD, ? BWPD

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: K-55
 WEIGHT: 36#
 LENGTH: ?
 DEPTH LANDED: 310'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 sxs Class "G" cmt, est ? bbls to surf.

PRODUCTION CASING

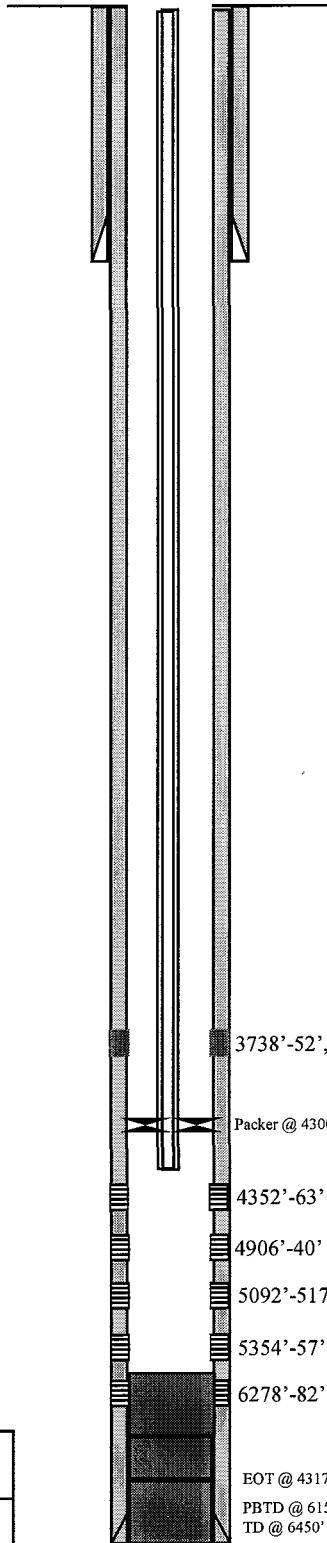
CSG SIZE: 5-1/2"
 GRADE: N-80
 WEIGHT: 17#
 LENGTH: ?
 DEPTH LANDED: 6450'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 200 sxs BJ Lite & 700 sxs 50/50 Poz cmt
 CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#
 NO. OF JOINTS: ?
 TUBING ANCHOR: ?
 SEATING NIPPLE: ?
 TOTAL STRING LENGTH: ?
 SN LANDED AT: ?

SUCKER RODS

POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS:

Injection Wellbore
DiagramFRAC JOB

3738'-52', sqz w/100 sxs Class "H"

Packer @ 4300'

PERFORATION RECORD

? 6278'-6282'	3 JSPF	13 holes
? 5092'-5357'	1 JSPF	14 holes
? 4906'-4940'	1 JSPF	26 holes
? 4352'-4363'	2 JSPF	23 holes

4352'-63'

4906'-40'

5092'-5175'

5354'-57'

6278'-82'

EOT @ 4317'

PBTD @ 6150'

TD @ 6450'



Inland Resources Inc.

NGC Federal #32-5G

1976 FNL 1366 FEL

SWNE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-30670; Lease #U-30096

State #11-5

Spud Date: 12/31/85
Put on Production: 2/11/86
GL: 5815' KB: 5829'

Initial Production: 101 BOPD,
100 MCFD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 40#
DEPTH LANDED: 285'
HOLE SIZE: 12-1/4"
CEMENT DATA: 197 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 17#
DEPTH LANDED: 5978'
HOLE SIZE: 7-7/8"
CEMENT DATA: 185 sxs Iodense & 250 sxs 10% Gypseal

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 165
TUBING ANCHOR: 5336'
SEATING NIPPLE: 2-1/4"
TOTAL STRING LENGTH: 5601'
SN LANDED AT: 5534'

SUCKER RODS

POLISHED ROD: 1-1/2" X 22'
PONY RODS: 1 - 4' X 3/4" SUB, 1 - 8' X 3/4" SUBS, 216 - 3/4" PLAIN
RODS, 4 WEIGHT RODS
PUMP SIZE: 2-1/2" X 1-1/2" X 16" AXELSON (TOP HOLD DOWN)
STROKE LENGTH: 1/4"
PUMP SPEED, SPM: 115
LOGS: DLL-MSFL, FDC-CNL

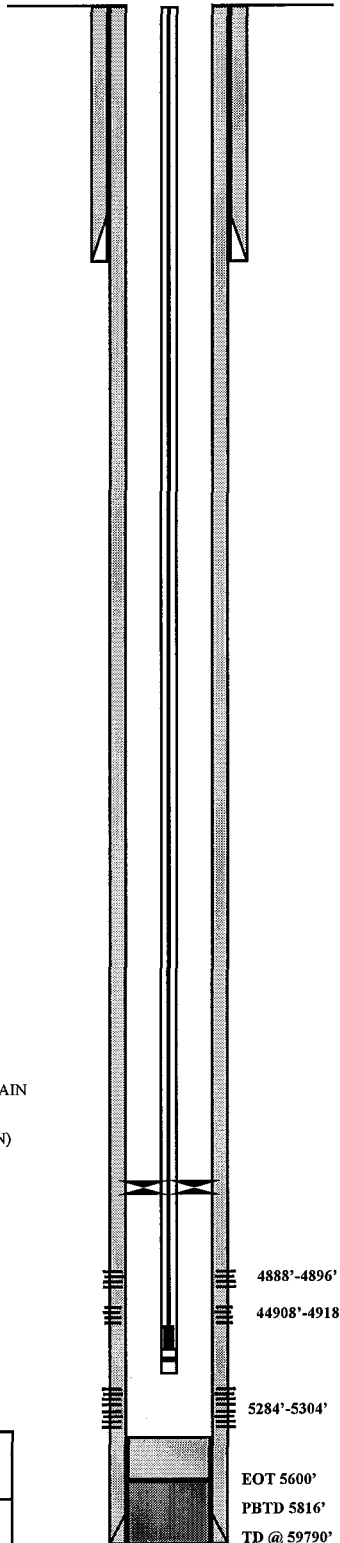
FRAC JOB

6/1/85 4888'-4896' Pump 7,000 gal pad
4908'-4918' Pump 1500 gal 2# /gal 20/40
Pump 3,000 gal 4#/gal 20/40
Pump 4,000 gal 5#/gal 20/40
Pump 5,000 gal 6#/gal 20/40
Pump 4,000 gal 8#/gal 20/40
Flush w/120 bbls.

6/2/85 5284'-5304' Pump 7,000 gal pad
Pump 1500 gal 2# /gal 20/40
Pump 3,000 gal 4#/gal 20/40
Pump 4,000 gal 5#/gal 20/40
Pump 5,000 gal 6#/gal 20/40
Pump 4,000 gal 8#/gal 20/40
Flush w/80 bbls.

PERFORATION RECORD

4888'-4896' 3 SPF
4908'-4918' 3 SPF
5284'-5304 3 SPF



Inland Resources Inc.

State #11-5

687' FWL 781' FNL

NWNW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31144; Lease #U-30096

Monument Federal #42-6-9-16

Spud Date: 7/8/96

Put on Production: 8/22/96

GL: 5835' KB: ?

Initial Production: 55 BOPD, 0
MCFPD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 5 jts (242.22')

DEPTH LANDED: 252.22'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 142 jts. (5967.34')

DEPTH LANDED: 5977.34'

HOLE SIZE: 7-7/8"

CEMENT DATA: 395 sxs Super "G" & 435 sxs 50/50 Poz

CEMENT TOP AT: 405' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 180 jts

TUBING ANCHOR: 4278'

TOTAL STRING LENGTH: 4264.89'

SN LANDED AT: ?

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 1-7/8" x 2' pony, 224 plain

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC

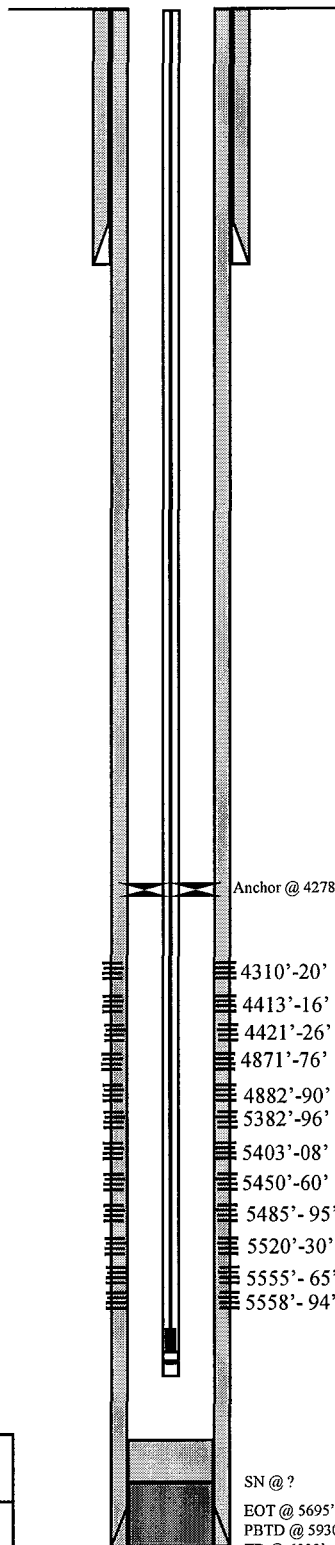
STROKE LENGTH: 120"

PUMP SPEED, SPM: 4.5 SPM

LOGS: CBL/GR

FRAC JOB

7-30-96	5382'-5594'	Frac sand as follows: 95,700# of 20/40 sd and 215,440# 16/30 sd w/87,612 gals 2% KCL water. Treated @ avg rate 60.5 bpm, avg press 2800 psi. Breakdown @ 3137 psi. ISIP-2600 psi, 5-min 1900 psi.
8-07-96	4871'-4890'	Frac sand as follows: 53,014# of 16/30 sd w/20,016 gals 2% KCL water. Treated @ avg rate of 31.8 BPM, avg press 2450 psi. ISIP-2200 psi, 5-min 1950 psi.
8-07-96	4310'-4426'	Frac sand as follows: 48,800# 16/30 sand w/25,704 gals 2% KCL water. Treated w/avg press of 2900 psi w/avg rate of 30.8 BPM. ISIP-1900 psi, 5 min 1760 psi.

PERFORATION RECORD

7-29-96	5588'-5594'	1 JSPF	6 holes
7-29-96	5555'-5565'	1 JSPF	10 holes
7-29-96	5520'-5530'	1 JSPF	10 holes
7-29-96	5485'-5495'	1 JSPF	10 holes
7-29-96	5450'-5460'	1 JSPF	10 holes
7-29-96	5403'-5408'	1 JSPF	5 holes
7-29-96	5382'-5396'	1 JSPF	14 holes
8-06-96	4871'-4876'	4 JSPF	24 holes
8-06-96	4882'-4890'	4 JSPF	32 holes
8-07-96	4421'-4426'		3 holes
8-07-96	4413'-4416'	1 JSPF	3 holes
8-07-96	4310'-4320'		8 holes



Inland Resources Inc.

Monument Federal #42-6-9-16

1980 FNL 660 FEL

NWNW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31645; Lease #UTU-74390

SN @ ?

EOT @ 5695'
PBSD @ 5930'
TD @ 6000'

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727

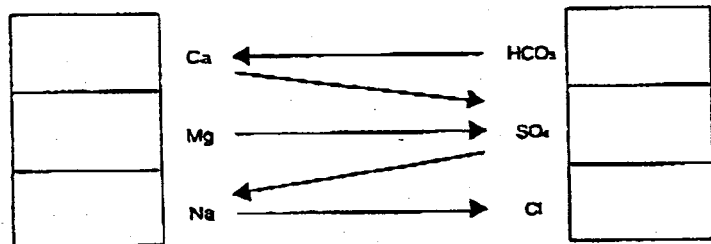
Attachment F

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 01-14-98
 Source Johnson Water
FRESH WATER Date Sampled _____ Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO ₃)		CO ₃ <u>0</u>	÷ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)		HCO ₃ <u>300</u>	÷ 61 <u>5</u> HCO ₃
7. Hydroxyl (OH)		OH <u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	÷ 35.5 <u>1</u> Cl
9. Sulfates (SO ₄)		SO ₄ <u>110</u>	÷ 48 <u>2</u> SO ₄
10. Calcium (Ca)		Ca <u>44</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		Mg <u>22</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION**Saturation Values**CaCO₃CaSO₄ · 2H₂OMgCO₃**Distilled Water 20°C**

13 Mg/l

2,090 Mg/l

103 Mg/l

Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>1</u>			<u>84</u>
Na ₂ SO ₄	71.03	<u>2</u>			<u>142</u>
NaCl	58.46	<u>1</u>			<u>59</u>

REMARKS _____

435 722 5727

Attachment F-1

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (435) 722-5066
Fax (435) 722-5727**WATER ANALYSIS REPORT**Company INLAND Address _____ Date 03-11-98Source WD 22-5G Date Sampled _____ Analysis No. _____

	Analyte	mg/l(ppm)	*Meg/l
1. PH	<u>9.3</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.020</u>		
4. Dissolved Solids		<u>21.866</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>360</u>	÷ 30 <u>12</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>600</u>	÷ 61 <u>10</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>12.400</u>	÷ 35.5 <u>349</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>0</u>	÷ 48 <u>0</u> SO ₄
10. Calcium (Ca)	Ca	<u>32</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)	Mg	<u>7</u>	÷ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO ₃)		<u>110</u>	
13. Total Iron (Fe)		<u>0.8</u>	
14. Manganese			
15. Phosphate Residual			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

<u>2</u>	Ca	←	HCO ₃	<u>22</u>
<u>1</u>	Mg	→	SO ₄	<u>0</u>
<u>368</u>	Na	→	Cl	<u>349</u>

Compound	Eqv. Wt.	X	Meg/l	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>		<u>162</u>
CaSO ₄	68.07			
CaCl ₂	55.50			
Mg(HCO ₃) ₂	73.17	<u>1</u>		<u>73</u>
MgSO ₄	60.19			
MgCl ₂	47.82			
NaHCO ₃	84.00	<u>19</u>		<u>1,596</u>
Na ₂ SO ₄	71.03			
NaCl	58.48	<u>349</u>		<u>20,403</u>

Saturation Values**Distilled Water 20°C**

CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,080 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

Received Time—Mar. 13.—11:01AM—

435 722 5727

Attachment F-2

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

03-12-98

WATER DESCRIPTION:	JOHNSON WATER	WD 22-5G
P-ALK AS PPM CaCO ₃	0	601
M-ALK AS PPM CaCO ₃	492	984
SULFATE AS PPM SO ₄	110	0
CHLORIDE AS PPM Cl	35	12400
HARDNESS AS PPM CaCO ₃	0	0
CALCIUM AS PPM CaCO ₃	110	80
MAGNESIUM AS PPM CaCO ₃	90	29
SODIUM AS PPM Na	92	8464
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	21866
TEMP (DEG-F)	150	150
SYSTEM pH	7	9.3

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND WD 22-5G

CONDITIONS: TEMP.=150 AND pH=8.2

WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.48	36	0	0	0
90	1.43	35	0	0	0
80	1.38	34	0	0	0
70	1.33	33	0	0	0
60	1.28	32	0	0	0
50	1.22	30	0	0	0
40	1.18	29	0	0	0
30	1.14	28	0	0	0
20	1.11	27	0	0	0
10	1.07	26	0	0	0
0	1.03	25	0	0	0

Attachment G

Wells Draw #22-5-G
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4308	4329	4319	1996	0.90	2003
4864	4878	4871	2175	0.88	2164
5145	5153	5149	2057	0.83	2031
5269	5281	5275	2300	0.87	2291
5555	5564	5560	3000	0.97	2971
				Minimum	<u>2003</u>

Calculation of Maximum Surface Injection Pressure

$$P_{\max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$$

where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.

WELL DATA: 8-22-90

FORMATION - Green River perfs @ 5,555 - 5,564'

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .97 PSI/Ft. base on a ISIP of 3,000 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bora Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 25 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	5,100	-	-	5,100
SLF	500	1#	20/40	500
SLF	500	2#	20/40	1,000
SLF	600	3#	20/40	1,600
SLF	600	4#	20/40	2,200
SLF	700	5#	20/40	2,900
SLF	700	6#	20/40	3,600
SLF	800	6#	16/30	4,400
SLF	900	6.5#	16/30	5,300
SLF	1,000	7#	16/30	6,300
FLUSH	5,420	-	-	11,720

WELL DATA: 8-25-90

FORMATION - Green River perms @ 5,269 - 5,281'

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .87 PSI/Ft. base on a ISIP of 2,300 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bora Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 25 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	5,100	-	-	-
SLF	500	1#	20/40	500
SLF	500	2#	20/40	1,000
SLF	600	3#	20/40	1,800
SLF	600	4#	20/40	2,400
SLF	700	5#	20/40	3,500
SLF	700	6#	20/40	4,200
SLF	800	6#	16/30	4,800
SLF	900	6.5#	16/30	5,850
SLF	1,000	7#	16/30	7,000
FLUSH	5,130	-	-	-

WELL DATA: 8-27-90

FORMATION - Green River perms @ 5,145 - 5,153'

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .83 PSI/Ft. base on a ISIP of 2,057 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bore Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 25 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	5,100	-	-	-
SLF	500	1#	20/40	500
SLF	500	2#	20/40	1,000
SLF	600	3#	20/40	1,800
SLF	600	4#	20/40	2,400
SLF	700	5#	20/40	3,500
SLF	700	6#	20/40	4,200
SLF	800	6#	16/30	4,800
SLF	900	6.5#	16/30	5,850
SLF	1,000	7#	16/30	7,000
FLUSH	5,010	-	-	-

WELL DATA: 8-29-90

FORMATION - Green River perfs @ 4,864 - 4,878'

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .88 PSI/Ft. base on a ISIP of 2,175 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bora Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 40 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	16,200	-	-	-
SLF	1,400	1#	20/40	1,400
SLF	1,600	2#	20/40	3,200
SLF	1,800	3#	20/40	5,400
SLF	1,900	4#	20/40	7,600
SLF	2,100	5#	20/40	10,500
SLF	2,400	6#	20/40	14,400
SLF	2,600	6#	16/30	15,600
SLF	2,800	6.5#	16/30	18,200
SLF	3,100	7#	16/30	21,700
FLUSH	4,740	TREATED FLUID		

WELL DATA: 8-31-90

FORMATION - Green River perfs @ 4,308 - 4,329

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .90 PSI/Ft. base on a ISIP of 1,996 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bora Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 40 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	16,200	-	-	-
SLF	1,400	1#	20/40	1,400
SLF	1,600	2#	20/40	3,200
SLF	1,800	3#	20/40	5,400
SLF	1,900	4#	20/40	7,600
SLF	2,100	5#	20/40	10,500
SLF	2,400	6#	20/40	14,400
SLF	2,600	6#	16/30	15,600
SLF	2,800	6.5#	16/30	18,200
SLF	3,100	7#	16/30	21,700
FLUSH	4,200	TREATED FLUID		

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** Set 159' plug from 5455'-5614' with 30 sxs Class "G" cement.
2. **Plug #2** Set 567' plug from 4764'-5331' with 75 sxs Class "G" cement.
3. **Plug #3** Set 171' plug from 4208'-4379' with 30 sxs Class "G" cement.
4. **Plug #4** Set 200' plug from 2200'-2000' with 30 sxs Class "G" cement.
5. **Plug #5** Set 100' plug from 261'-361' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
6. **Plug #6** Set 50' plug from surface with 10 sxs Class "G" cement.
7. Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 311' to surface.

The approximate cost to plug and abandon this well is \$18,000.

Federal #22-5G

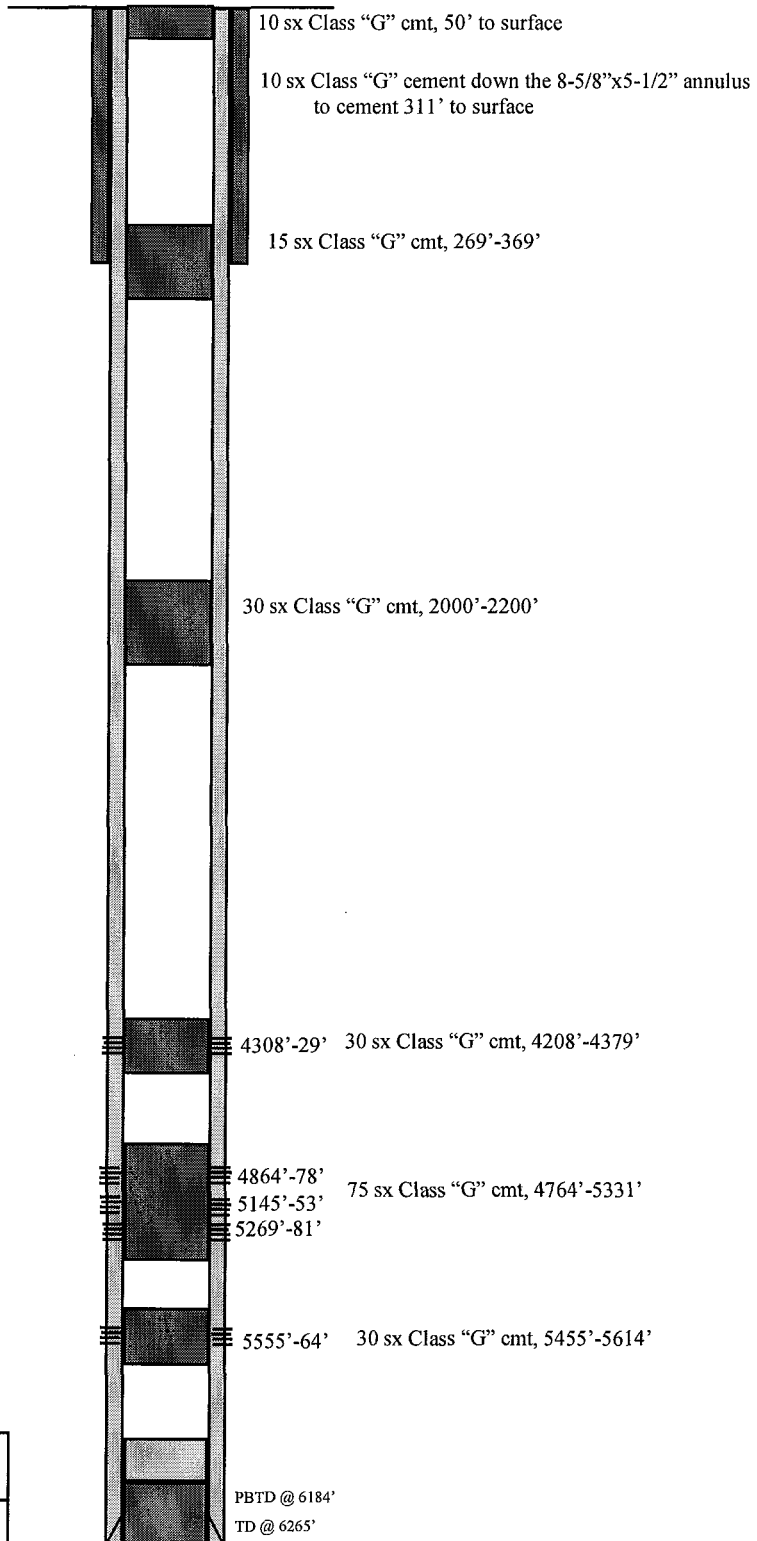
Spud Date: 5/25/90
 Put on Production: 9/6/90
 GL: 5786' KB: ?

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: ? JTS
 DEPTH LANDED: 311'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: ? jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
 CEMENT TOP AT: 1610'
 SET AT: 6259'

Proposed P&A
Wellbore Diagram

Inland Resources Inc.

Federal #22-5-G

1837 FWL 2032 FNL

SENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #U-30096



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

June 11, 1998

Inland Production Company
475 Seventeenth Street, Suite 1500
Denver, Colorado 80202

Re: Wells Draw Unit Wells: Wells Draw Federal #22-5-G and Wells Draw #1-4, Sections 5 and 4, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza
Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Roosevelt

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Wells Draw Fed. #22-5-G

Location: 5/9S/16E

API: 43-013-31273

Ownership Issues: The proposed well is located on BLM land. The well is located in the Wells Draw Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah, School and Institutional Trust Lands Administration (SITLA). The Federal Government and SITLA are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Wells Draw Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 311 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6259 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4291 feet. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells and 1 water injection well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 1000 feet. Injection shall be limited to the interval between 4308 feet and 5564 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 22-5-G well is .90 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2003 psig. The requested maximum pressure is 2003 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Wells Draw Federal #22-5-G
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Wells Draw Unit on January 26, 1994. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date: 6/9/98

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

WELLS DRAW

8. Well Name and No.

WELL DRAW 22-5G

9. API Well No.

43-013-31273

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒

Oil
Well

☐

Gas
Well

☐

Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2032 FNL 1837 FWL SE/NW Section 5, T09S R16E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other Site Security

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

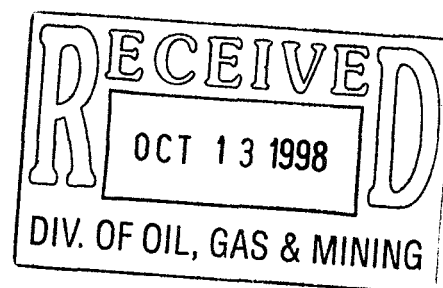
☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Lillian E. Knight

Title

Manager, Regulatory Compliance

Date

10/7/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Inland Production Company Site Facility Diagram

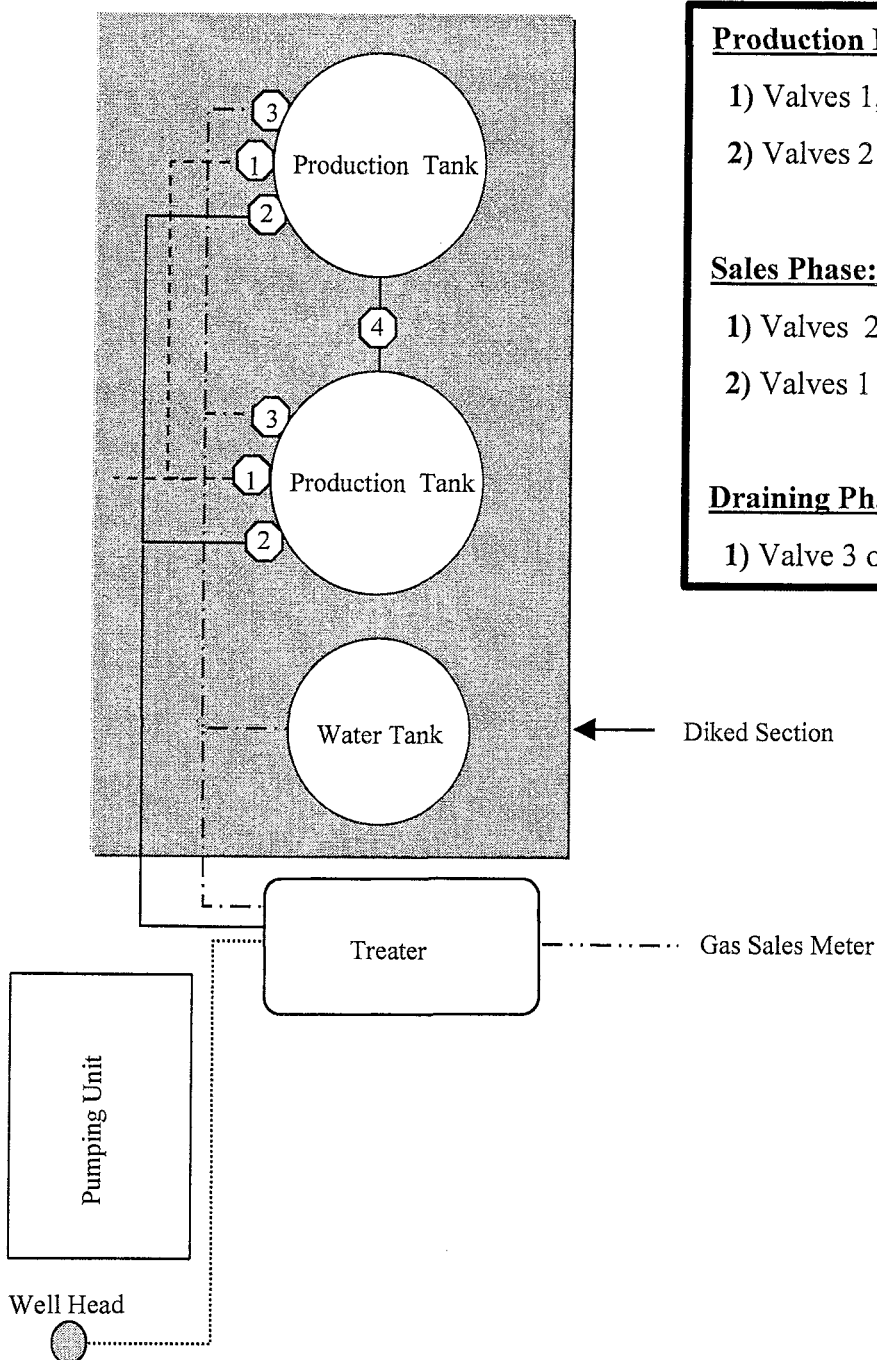
Wells Draw 22-5G

SE/NW Sec. 5, T9S, 16E

Duchesne County

Sept. 17, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah



Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

Draining Phase:

- 1) Valve 3 open

Legend

Emulsion Line
Load Line	-----
Water Line	- . - . - .
Oil Line	—————
Gas Sales	- - - - -



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****Wells Draw (Green River)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WELLS DRAW 15-32-8-16	32	080S	160E	4301331676	12276	State	WI	A
WELLS DRAW 16-32-8-16	32	080S	160E	4301331817	12276	State	OW	P
WELLS DRAW 9-32-8-16	32	080S	160E	4301331819	12276	State	WI	A
WELLS DRAW 5-32-8-16	32	080S	160E	4301332218	12276	State	WI	A
WELLS DRAW 8-32-8-16	32	080S	160E	4301332219	12276	State	OW	P
FEDERAL 23-33-B	33	080S	160E	4301331251	12276	Federal	WI	A
FEDERAL 33-33-B	33	080S	160E	4301331268	12276	Federal	OW	P
FEDERAL 34-33-B	33	080S	160E	4301331269	12276	Federal	WI	A
FEDERAL 44-33-B	33	080S	160E	4301331270	12276	Federal	OW	P
FEDERAL 13-33-B	33	080S	160E	4301331277	12276	Federal	OW	P
FEDERAL 13-34-B	34	080S	160E	4301331271	12276	Federal	OW	P
FEDERAL 11-4-G	04	090S	160E	4301331250	12276	Federal	OW	P
FEDERAL 21-4-G	04	090S	160E	4301331272	12276	Federal	WI	A
WELLS DRAW 1-4-9-16	04	090S	160E	4301331971	12276	Federal	WI	A
WELLS DRAW 6-4	04	090S	160E	4301331972	12276	Federal	OW	P
WELLS DRAW 7-4	04	090S	160E	4301331973	12276	Federal	WI	A
FEDERAL 31-5-G	05	090S	160E	4301331252	12276	Federal	OW	S
WELLS DRAW 22-5G	05	090S	160E	4301331273	12276	Federal	OW	P
WELLS DRAW U 5-5-9-16	05	090S	160E	4301331759	12276	Federal	WI	A
WELLS DRAW 8-5-9-16	05	090S	160E	4301332132	12276	Federal	OW	P
WELLS DRAW 10-5-9-16	05	090S	160E	4301332133	12276	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The FORMER operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05


APPLICATION FOR INJECTION WELL - UIC FORM 1

Well Name and number:	Wells Draw #22-5-G										
Field or Unit name:	Monument Butte (Green River)			Wells Draw Unit			Lease No.	U-30096			
Well Location:	QQ	SE	NW	section	5	township	9S	range	16E	county	Duchesne

Date of test: 8/22/90
API number: 43-013-31273

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Exhibits "A" through "G"

Name: John E. Dyer Signature 
Title Chief Operating Officer Date 3/26/98
Phone No. (303) 292-0900

Application approved by _____ Title _____
Approval Date _____

Comments:

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

Federal #22-5G

Spud Date: 5/25/90
Put on Production: 9/6/90
GL: 5786' KB: ?'

Initial Production: 171 BOPD, 0 MCFD
43 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 24#
LENGTH: ? JTS
DEPTH LANDED: 311'
HOLE SIZE: 12-1/4"
CEMENT DATA: 210 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 17#
LENGTH: ? jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
CEMENT TOP AT: 1610'
SET AT: 6259'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 180
TUBING ANCHOR: 4291'
SEATING NIPPLE: 2-7/8"
TOTAL STRING LENGTH: ?
SN LANDED AT: ?

SUCKER RODS

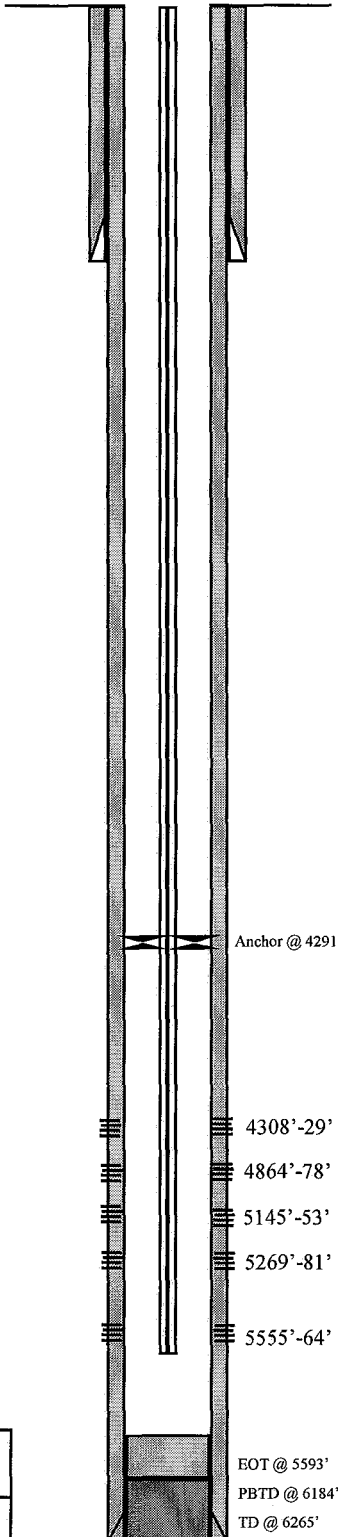
POLISHED ROD:
SUCKER RODS:
TOTAL ROD STRING LENGTH:
PUMP NUMBER:
PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: CBL/GR

FRAC JOB

4308'-4329'	41,800# 20/40 sd and 56,700# 16/30 sd
4864'-4878'	45,700# 20/40 sd and 57,800# 16/30 sd
5145'-5153'	15,300# 20/40 sd and 17,700# 16/30 sd
5269'-5281'	13,600# 20/40 sd and 18,100# 16/30 sd
5555'-5564'	14,300# 20/40 sd and 18,200# 16/30 sd

PERFORATION RECORD

5555'-5564'	4 JSPF	36 holes
5269'-5281'	4 JSPF	48 holes
5145'-5153'	4 JSPF	32 holes
4864'-4878'	4 JSPF	56 holes
4308'-4329'	4 JSPF	84 holes



Inland Resources Inc.

Federal #22-5-G

1837 FWL 2032 FNL

SENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #U-30096

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Wells Draw Federal #22-5-G from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit. See Attachment D.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Douglas Creek Member of the Green River Formation. In the Wells Draw Federal #22-5-G well, the proposed injection zone is from 4308'-5564' with the top at 4308'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4308'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Wells Draw Federal #22-5-G is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a ^{Federal} State lease (Lease #U-30096), in the Monument Butte (Green River) Field, Wells Draw Unit, and this request if for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.
 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 9-5/8", 53.5#, J-55 surface casing run to 311' GL, and the 5-1/2" casing run from surface to 6259' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2003 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The fracture gradient for the Wells Draw Federal #22-5-G, for proposed zones (4308' – 5564') calculates at .90 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2003 psig. See Attachment G through G-5.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Wells Draw Federal #22-5-G, the injection zone (4308'-5564') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor interbedded shale streaks. The estimated average porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shales. The porous and permeable lenticular sandstone varies in thickness from 0-31', and are confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lustrine shales. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-6.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Inland Production Company will supply any requested information to the Board or Division.

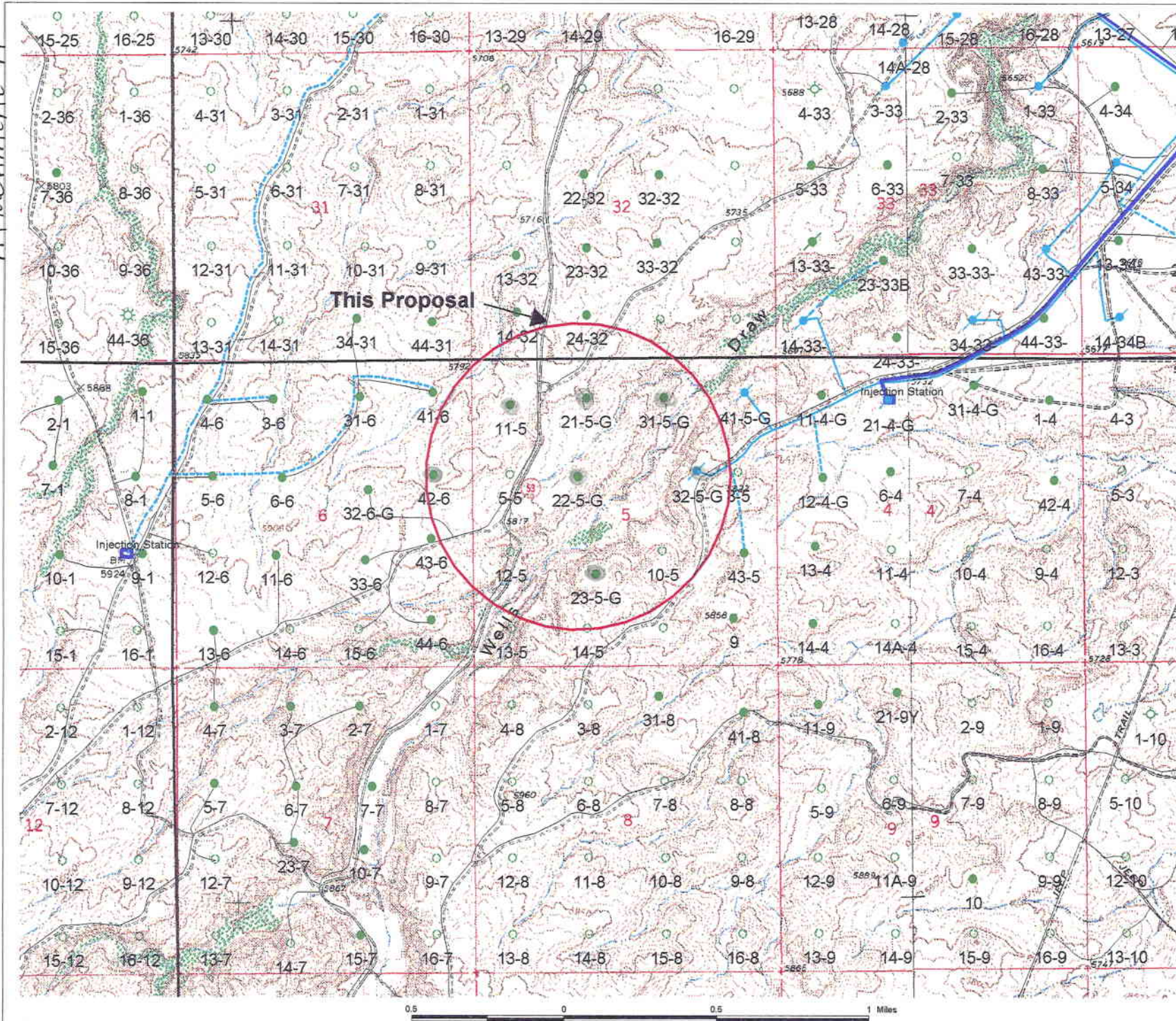


Exhibit "A"

- Legend
- INJ
 - OIL
 - GAS
 - O&G
 - DRY
 - SHUTIN
 - LOC
 - Proposed Water 6"
 - Water 6"
 - Water 4"
 - Water 2 - 3"
 - Proposed Water

T9S, R16E, S.L.B.&M.

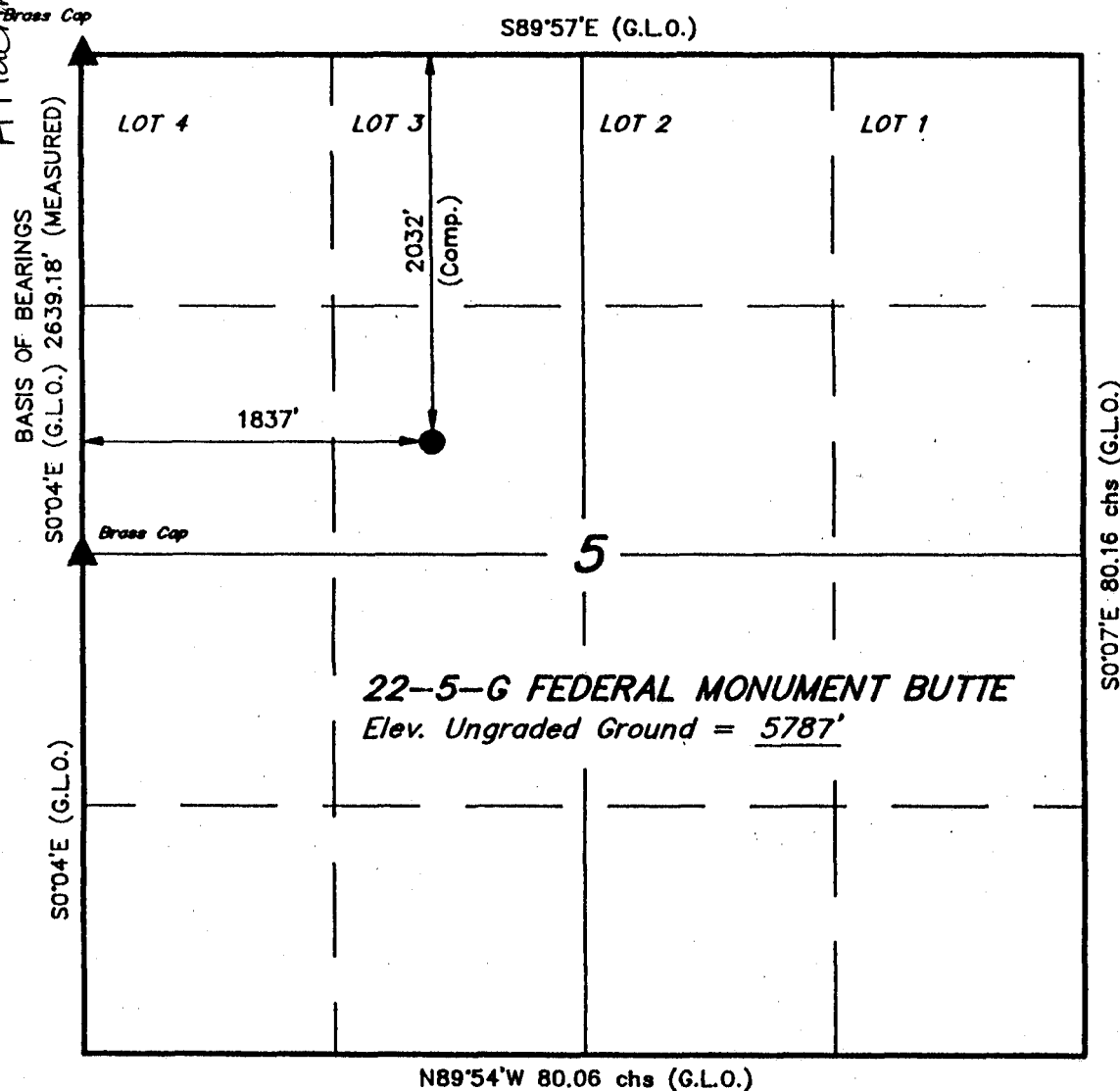
PG&E RESOURCES COMPANY

Well location 22-5-G FEDERAL MONUMENT BUTTE, located as shown in the SE 1/4 NW 1/4 of Section 5, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 5, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5792 FEET.

Attachment A-1



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

REVISED: 2-21-90 J.R.S.

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 86 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-7-90
PARTY D.A. J.F. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER COLD - CLEAR	FILE PG&E RESOURCES CO.

▲ = SECTION CORNERS LOCATED.

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 16 East Section 5: N/2SE/4	U-034217-A HBP	Inland Production Company	(Surface Rights) USA
2	Township 9 South, Range 16 East Section 4: Lots 1-4, S/2N/2; Section 5: Lots 1-3, S/2NE/4, SE/4NW/4, NE/4SW/4	UTU-30096 HBP	Inland Production Company Key Production Company, Inc	(Surface Rights) USA
3	Township 9 South, Range 16 East Section 3: Lots 3,4, S/2NW/4, SW/4 Section 4: NE/4SW/4, SE/4 Section 5: W/2SW/4, SE/4SW/4	UTU-73087 HBP	Inland Production Company	(Surface Rights) USA

Attachment B
(Pg 1 of 2)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	Township 9 South, Range 16 East Section 6: All Section 7: All Section 8: W/2 Section 9: NW/4SW/4 Section 17: NW/4 Section 18: L 1, 2, NE/4 E/2NW/4	UTU-74390 HBP	Inland Production Company Yates Petroleum Corp. ABO Petroleum Corp. Yates Drilling Company Myco Industries	(Surface Rights) USA
5	Township 9 South, Range 16 East Section 5: L 4, SW/NW	UTU-69744 HBP	Interline Resources Corporation Producers Pipeline Corporation	(Surface Rights) USA
6	Township 8 South, Range 16 East Section 32: All	ML-21836 HBP	Celsius Energy Co. Producers Pipeline Corp. Interline Resources Corporation	(Surface Rights) St. of Utah

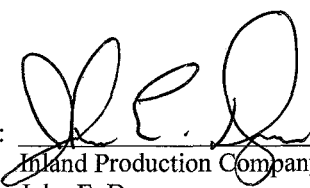
Attachment 13
(Pg 2 of 2)

ATTACHMENT C

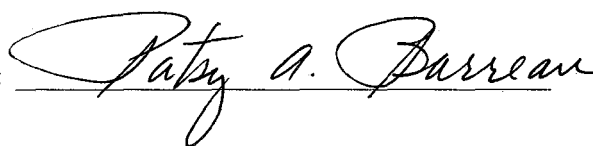
CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Wells Draw Federal #22-5-G

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: 
Inland Production Company
John E. Dyer
Chief Operating Officer

Sworn to and subscribed before me this 26th day of March, 1998.

Notary Public in and for the State of Colorado: 



My Commission Expires 11/14/2000

Federal #22-5G

Spud Date: 5/25/90
 Put on Production: 9/6/90
 GL: 5786' KB: ?'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: ? JTS
 DEPTH LANDED: 311'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: ? jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
 CEMENT TOP AT: 1610'
 SET AT: 6259'

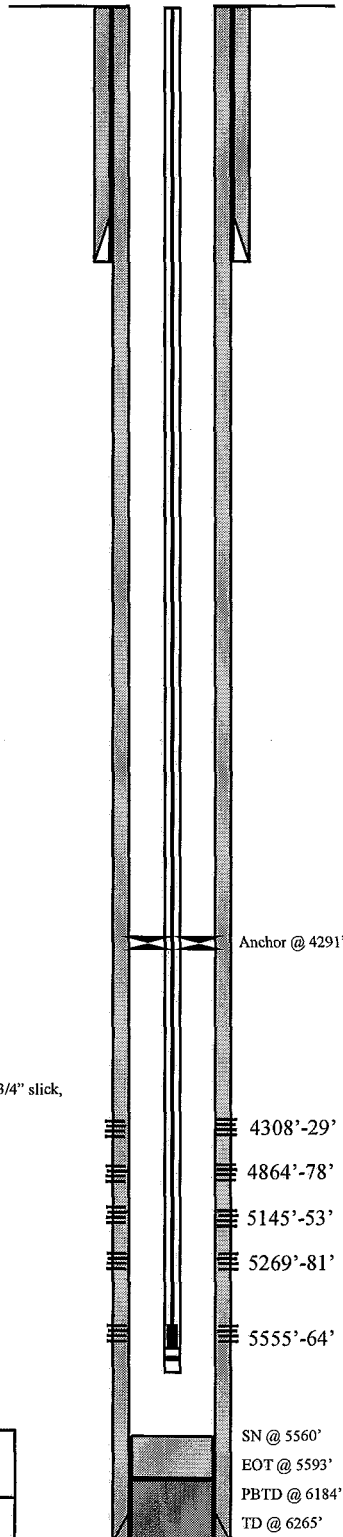
TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 180
 TUBING ANCHOR: 4291'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: ?
 SN LANDED AT: 5560'

SUCKER RODS

POLISHED ROD: 1-1/2"x22'
 SUCKER RODS: 1-4', 1-8"x7/8" pony rods, 97-7/8" scraped, 115-3/4" slick, 9 sinker bars
 TOTAL ROD STRING LENGTH:
 PUMP NUMBER:
 PUMP SIZE: 2-1/2"x1-3/4"x16" RHAC
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: CBL/GR

Wellbore Diagram



Initial Production: 171 BOPD, 0 MCFD
 43 BWPD

FRAC JOB

4308'-4329'	41,800# 20/40 sd and 56,700# 16/30 sd
4864'-4878'	45,700# 20/40 sd and 57,800# 16/30 sd
5145'-5153'	15,300# 20/40 sd and 17,700# 16/30 sd
5269'-5281'	13,600# 20/40 sd and 18,100# 16/30 sd
5555'-5564'	14,300# 20/40 sd and 18,200# 16/30 sd

PERFORATION RECORD

5555'-5564'	4 JSPF	36 holes
5269'-5281'	4 JSPF	48 holes
5145'-5153'	4 JSPF	32 holes
4864'-4878'	4 JSPF	56 holes
4308'-4329'	4 JSPF	84 holes



Inland Resources Inc.

Federal #22-5-G

1837 FWL 2032 FNL

SENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #U-30096

SN @ 5560'
 EOT @ 5593'
 PBTD @ 6184'
 TD @ 6265'

Federal #23-5G

Spud Date: 7/27/88
Put on Production: 9/11/88
GL: 5821' KB: 5836'

Initial Production: 116 BOPD, 300 MCFD
64 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
GRADE: L-80
WEIGHT: 53.5#
LENGTH: 7 JTS
DEPTH LANDED: 300'
HOLE SIZE: 12-1/4"
CEMENT DATA: 165 sks Class "G" cmt, est 7 bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 151 jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 195 sks Class "G" & 445 sks Class "G"
CEMENT TOP AT: 1190'
SET AT: 6000'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 184
TUBING ANCHOR: 4812'
SEATING NIPPLE: 2-7/8"
TOTAL STRING LENGTH: ?
SN LANDED AT: 5752'

SUCKER RODS

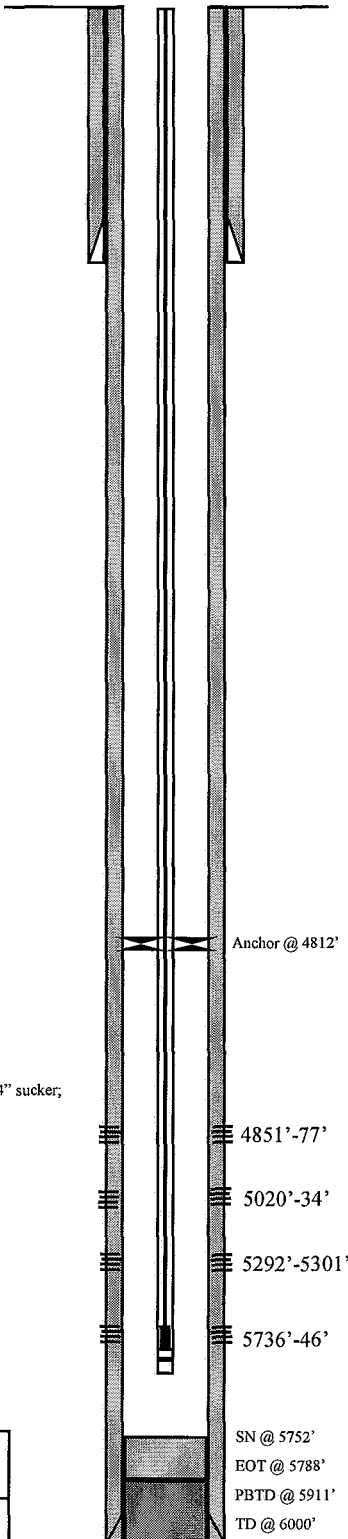
POLISHED ROD: 1-1/2"x22"
SUCKER RODS: 1-4', 1-6'x7/8" pony rods; 85-7/8" scraped; 69-3/4" sucker;
7 sinker bars; 63-3/4" sucker rods
TOTAL ROD STRING LENGTH:
PUMP NUMBER:
PUMP SIZE: 2-1/2"x1-3/4"x16' RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: DIL/SFL/FDC/CNL/GR/CAL/CBL

FRAC JOB

8-18-90	5736'-5746'	961 bbls, 102,000# 20/40 sand. ISIP-2010 psi, 5 min 1836 psi. Avg rate of 40 BPM @ 1900 psi.
8-20-90	5292'-5301'	564 bbls, 54,000# 20/40 sand. ISIP-1950 psi, 5 min 1525 psi. Avg rate of 30 BPM @ 2050 psi.
8-22-90	5020'-5034'	890 bbls, 92,000# 20/40 sand. ISIP-2560 psi, 5 min 1708 psi. Avg rate of 35 BPM @ 2148 psi.
8-24-90	4851'-4877'	1453 bbls, 136,000# 20/40 sand. ISIP-2078 psi, 5 min 1817 psi. Avg rate of 45 BPM @ 2000 psi.

PERFORATION RECORD

8-17-90	5736'-5746'	4 JSPF	40 holes
8-19-90	5292'-5301'	4 JSPF	36 holes
8-21-90	5020'-5034'	4 JSPF	56 holes
8-23-90	4851'-4877'	4 JSPF	104 holes



SN @ 5752'
EOT @ 5788'
PBTD @ 5911'
TD @ 6000'



Inland Resources Inc.

Federal #23-5G

2134 FWL 1592 FSL

NESW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31207; Lease #U-30096

Federal #21-5G

Spud Date: 3/28/83
Put on Production: 8/29/83
GL: 5797' KB: ?

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 32#
LENGTH: ? JTS
DEPTH LANDED: 311'
HOLE SIZE: 12-1/4"
CEMENT DATA: 215 sks Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: ? jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 338 sks BS Lite & 863 sks 50/50 Poz
CEMENT TOP AT:
SET AT: 6500'

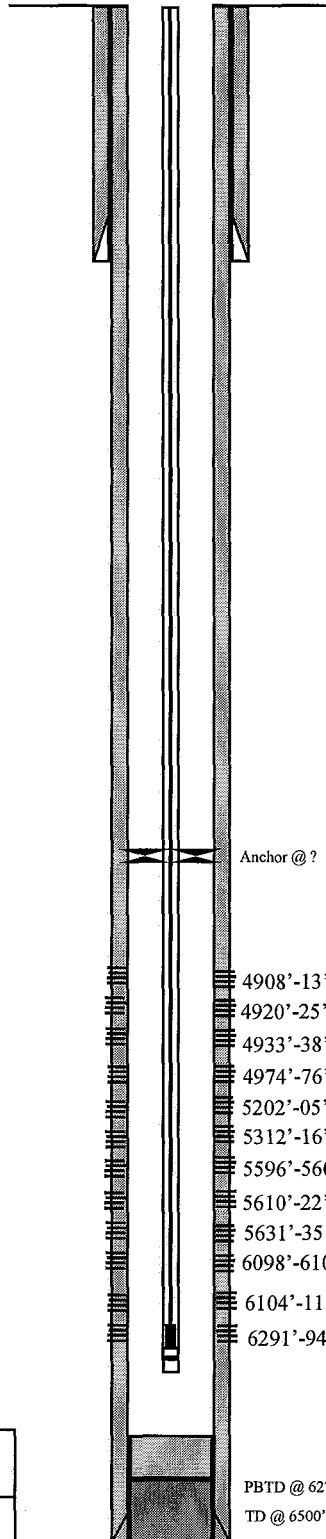
TUBING

SIZE/GRADE/WT:
NO. OF JOINTS:
TUBING ANCHOR:
SEATING NIPPLE:
TOTAL STRING LENGTH: ?
SN LANDED AT:

SUCKER RODS

POLISHED ROD:
SUCKER RODS:
TOTAL ROD STRING LENGTH:
PUMP NUMBER:
PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: CBL/GR

Wellbore Diagram



Initial Production: 80 BOPD, 0 MCFD
25 BWPD

FRAC JOB

6098'-6111'	76,000# 20/40 sd and 31,440 gal Versagel
5596'-5635'	144,000# 20/40 sd and 41,270 gal Versagel
5202'-5312'	98,000# 20/40 sd and 31,150 gal Versagel
4908'-4974'	180,000# 20/40 sd and 50,290 gal Versagel

PERFORATION RECORD

6291'-6294'	3 SPF	10 holes
6104'-6111'	1 SPF	4 holes
6098'-6101'	1 SPF	8 holes
5631'-5635'	1 SPF	5 holes
5610'-5622'	1 SPF	13 holes
5596'-5601'	1 SPF	6 holes
5312'-5316'	1 SPF	5 holes
5202'-5205'	2 SPF	7 holes
4974'-4976'	1 SPF	3 holes
4933'-4938'	1 SPF	6 holes
4920'-4925'	1 SPF	6 holes
4908'-4913'	1 SPF	6 holes



Inland Resources Inc.

Federal #21-5-G

637 FNL 2005 FWL

NENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-33698; Lease #U-30096

PBTD @ 6270'
TD @ 6500'

Federal #31-5G

Spud Date: 1/15/90
Put on Production: 4/7/90
GL: 5701' KB: 5712'

Initial Production: 100 BOPD, 0 MCFD
100 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 13-3/8" conductor and 8-5/8" surface
GRADE: H-40 and K-55
WEIGHT: 48# and 24#
LENGTH: 30' and 8 jts (320')
DEPTH LANDED: 30' and 332'
HOLE SIZE: 17-1/2" and 12-1/4"
CEMENT DATA: Conductor: 6 c/yd sand/cmt grout mix and surface 225
sxs Class "G", 2% CaCl₂, 1/4#/sxs cello flake

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 6390'
HOLE SIZE: 7-7/8"
CEMENT DATA: 318 sxs DS Hi Lift. Tail w/535 sxs DS 10-0 RFC
CEMENT TOP AT:
SET AT: 6388'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 193
TUBING ANCHOR: 4215'
SEATING NIPPLE: 2-7/8"
TOTAL STRING LENGTH: 6076'
SN LANDED AT: 6045'

SUCKER RODS

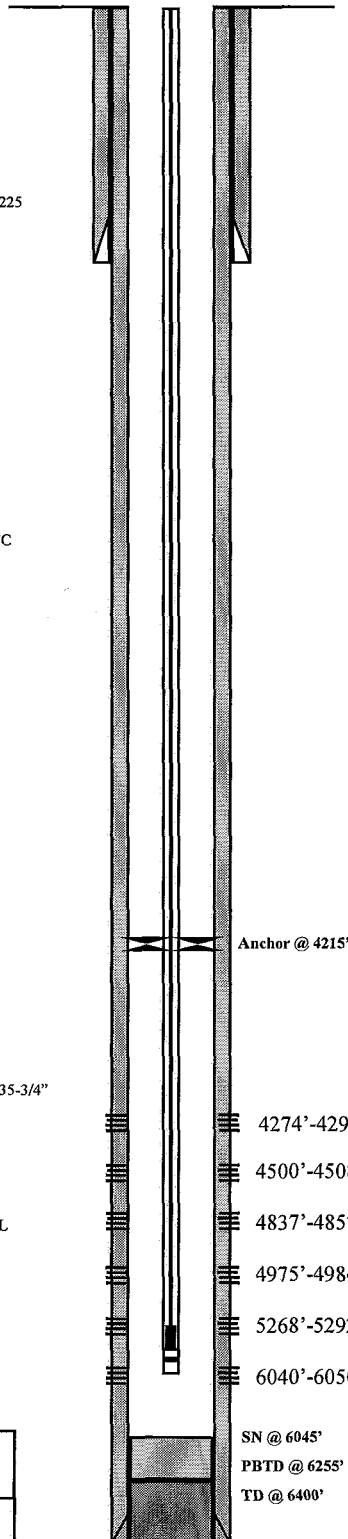
POLISHED ROD: 1-1/2"x22'
SUCKER RODS: 1-6' and 1-8' x7/8" pony rods; 95-7/8" scraped; 135-3/4"
sucker rods; 9 sinker bars;
PUMP SIZE: 2-1/2"x1-1/2"x16' RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: FDC, CNL, GR, DUAL LATERLOG, MSFL, CBL, GR, VDL

FRAC JOB

4274'-4291'	35,100# 20/40 ss, 4,000# 16/30 ss, 844 bbls fluid @ avg 42 BPM @ 2200, ISIP 2430
4500'-4508'	24,100# 20/40 ss, 34,600 16/30, 641 bbls fluid @ avg 35 BPM @ 2500, ISIP 2750
4837'-4857'	52,500# 20/40 ss, 15,000# 16/30 ss, cut job short 1045 bbls fluid, @ avg 45 BPM @ 2400, ISIP 2250
4975'-4984'	32,230# 20/40 ss 35,770 16/30, 784 bbls fluid @ avg 42 BPM @ 2300, screened off 1/2 flush
5268'-5292'	57,500# 20/40 ss, 69,000# 16/30 ss, 1270 bbls fluid, @ avg 45 BPM @ 1900#, ISIP 2050
6040'-6050'	32,300# 20/40 ss, 42,500 #16/30 ss, 858 bbls fluid, @ avg 35 BPM @ 1950, ISIP 2150

PERFORATION RECORD

4274'-4291'	4 SPF	69 Holes
1200'-4508'	4 SPF	37 Holes
4837'-4857'	4 SPF	81 Holes
4975'-4984'	4 SPF	37 Holes
5268'-5292'	4 SPF	82 Holes
6040'-6050'	4 SPF	41 Holes



Anchor @ 4215'

4274'-4291'

4500'-4508'

4837'-4857'

4975'-4984'

5268'-5292'

6040'-6050'

SN @ 6045'

PBTD @ 6255'

TD @ 6400'



Inland Resources Inc.

Federal #31-5G

685' FNL 1925' FEL

NWNE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31252; Lease #U-30096

NGC Federal #32-5G

Spud Date: 7/19/82
 Put on Production: 11/14/82
 GL: 5809' KB: 5823'

Initial Production: ? BOPD, ?
 MCFPD, ? BWPD

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: K-55
 WEIGHT: 36#
 LENGTH: ?
 DEPTH LANDED: 310'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 sxs Class "G" cmt, est ? bbls to surf.

PRODUCTION CASING

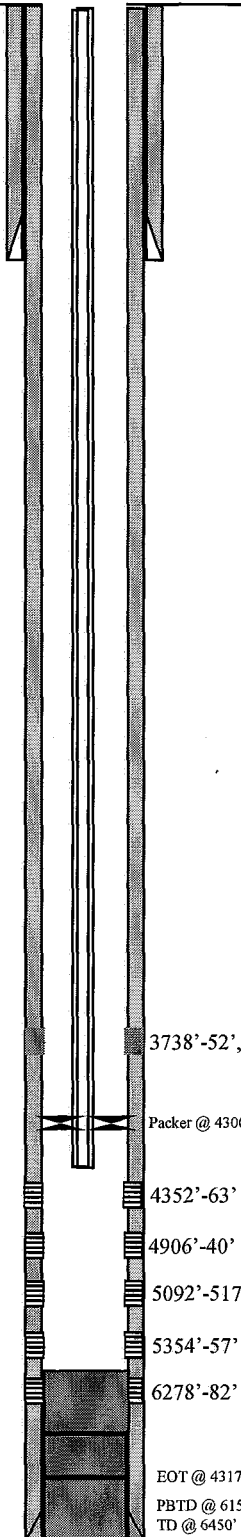
CSG SIZE: 5-1/2"
 GRADE: N-80
 WEIGHT: 17#
 LENGTH: ?
 DEPTH LANDED: 6450'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 200 sxs BJ Lite & 700 sxs 50/50 Poz cmt
 CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#
 NO. OF JOINTS: ?
 TUBING ANCHOR: ?
 SEATING NIPPLE: ?
 TOTAL STRING LENGTH: ?
 SN LANDED AT: ?

SUCKER RODS

POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS:

Injection Wellbore
DiagramFRAC JOB

3738'-52', sqz w/100 sxs Class "H"

Packer @ 4300'

4352'-63'

4906'-40'

5092'-5175'

5354'-57'

6278'-82'

EOT @ 4317'

PBTD @ 6150'

TD @ 6450'

PERFORATION RECORD

? 6278'-6282'	3 JSPF	13 holes
? 5092'-5357'	1 JSPF	14 holes
? 4906'-4940'	1 JSPF	26 holes
? 4352'-4363'	2 JSPF	23 holes



Inland Resources Inc.

NGC Federal #32-5G

1976 FNL 1366 FEL

SWNE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-30670; Lease #U-30096

State #11-5

Spud Date: 12/31/85
 Put on Production: 2/11/86
 GL: 5815' KB: 5829'

Initial Production: 101 BOPD,
 100 MCFD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 40#
 DEPTH LANDED: 285'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 197 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 DEPTH LANDED: 5978'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 185 sxs lodense & 250 sxs 10% Gypseal

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 165
 TUBING ANCHOR: 5336'
 SEATING NIPPLE: 2-1/4"
 TOTAL STRING LENGTH: 5601'
 SN LANDED AT: 5534'

SUCKER RODS

POLISHED ROD: 1-1/2" X 22'
 PONY RODS: 1 - 4' X 3/4" SUB, 1 - 8' X 3/4" SUBS, 216 - 3/4" PLAIN
 RODS, 4 WEIGHT RODS
 PUMP SIZE: 2-1/2" X 1-1/2" X 16' AXELSON (TOP HOLD DOWN)
 STROKE LENGTH: 1/4"
 PUMP SPEED, SPM: 115
 LOGS: DLL-MSFL, FDC-CNL

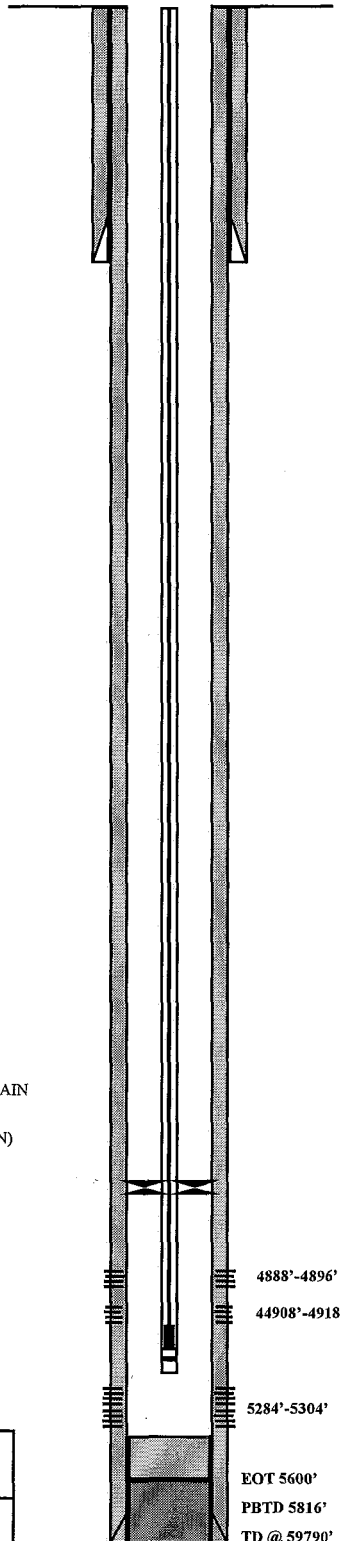
FRAC JOB

6/1/85 4888'-4896' Pump 7,000 gal pad
 4908'-4918' Pump 1500 gal 2# /gal 20/40
 Pump 3,000 gal 4#/gal 20/40
 Pump 4,000 gal 5#/gal 20/40
 Pump 5,000 gal 6#/gal 20/40
 Pump 4,000 gal 8#/gal 20/40
 Flush w/120 bbls.

6/2/85 5284'-5304' Pump 7,000 gal pad
 Pump 1500 gal 2# /gal 20/40
 Pump 3,000 gal 4#/gal 20/40
 Pump 4,000 gal 5#/gal 20/40
 Pump 5,000 gal 6#/gal 20/40
 Pump 4,000 gal 8#/gal 20/40
 Flush w/80 bbls.

PERFORATION RECORD

4888'-4896' 3 SPF
 4908'-4918' 3 SPF
 5284'-5304 3 SPF



Inland Resources Inc.

State #11-5

687' FWL 781' FNL

NWNW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31144; Lease #U-30096

Monument Federal #42-6-9-16

Spud Date: 7/8/96

Put on Production: 8/22/96

GL: 5835' KB: ?

Initial Production: 55 BOPD, 0
MCFPD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 5 jts (242.22')

DEPTH LANDED: 252.22'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 142 jts. (5967.34')

DEPTH LANDED: 5977.34'

HOLE SIZE: 7-7/8"

CEMENT DATA: 395 sxs Super "G" & 435 sxs 50/50 Poz

CEMENT TOP AT: 405' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 180 jts

TUBING ANCHOR: 4278'

TOTAL STRING LENGTH: 4264.89'

SN LANDED AT: ?

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 1-7/8" x 2' pony, 224 plain

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC

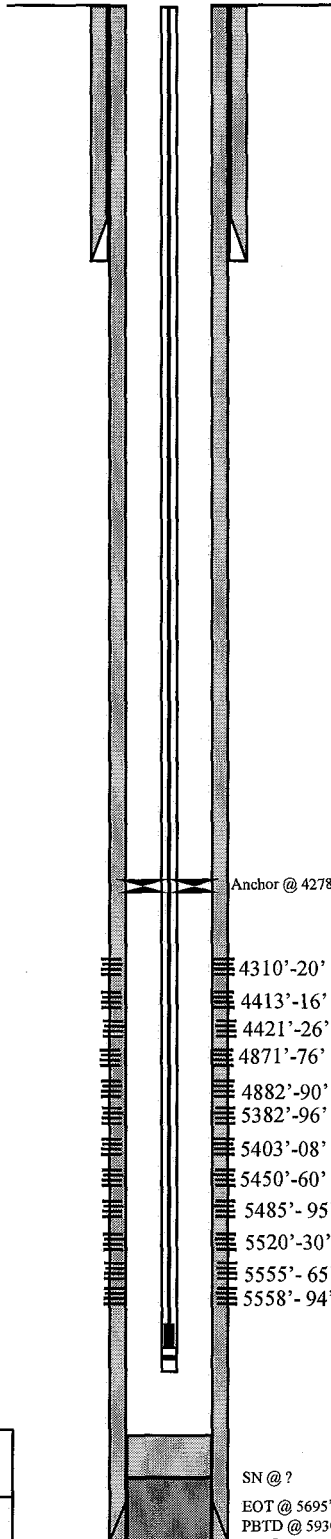
STROKE LENGTH: 120"

PUMP SPEED, SPM: 4.5 SPM

LOGS: CBL/GR

FRAC JOB

7-30-96	5382'-5594'	Frac sand as follows: 95,700# of 20/40 sd and 215,440# 16/30 sd w/87,612 gals 2% KCL water. Treated @ avg rate 60.5 bpm, avg press 2800 psi. Breakdown @ 3137 psi. ISIP-2600 psi, 5-min 1900 psi.
8-07-96	4871'-4890'	Frac sand as follows: 53,014# of 16/30 sd w/20,016 gals 2% KCL water. Treated @ avg rate of 31.8 BPM, avg press 2450 psi. ISIP-2200 psi, 5-min 1950 psi.
8-07-96	4310'-4426'	Frac sand as follows: 48,800# 16/30 sand w/25,704 gals 2% KCL water. Treated w/avg press of 2900 psi w/avg rate of 30.8 BPM. ISIP-1900 psi, 5 min 1760 psi.

PERFORATION RECORD

7-29-96	5588'-5594'	1 JSPF	6 holes
7-29-96	5555'-5565'	1 JSPF	10 holes
7-29-96	5520'-5530'	1 JSPF	10 holes
7-29-96	5485'-5495'	1 JSPF	10 holes
7-29-96	5450'-5460'	1 JSPF	10 holes
7-29-96	5403'-5408'	1 JSPF	5 holes
7-29-96	5382'-5396'	1 JSPF	14 holes
8-06-96	4871'-4876'	4 JSPF	24 holes
8-06-96	4882'-4890'	4 JSPF	32 holes
8-07-96	4421'-4426'		3 holes
8-07-96	4413'-4416'	1 JSPF	3 holes
8-07-96	4310'-4320'		8 holes



Inland Resources Inc.

Monument Federal #42-6-9-16

1980 FNL 660 FEL

NWNW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31645; Lease #UTU-74390

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5068
Fax (801) 722-5727

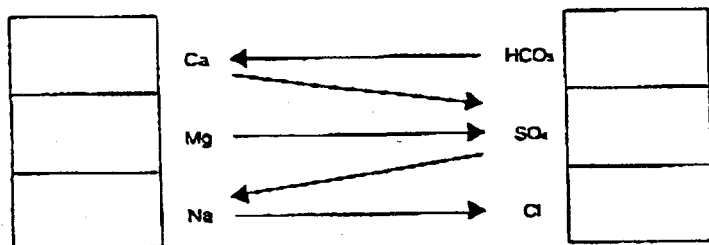
Attachment F

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 01-14-98
 Source Johnson Water
FRESH WATER Date Sampled _____ Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO ₃)		CO ₃ <u>0</u>	÷ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)		HCO ₃ <u>300</u>	÷ 61 <u>5</u> HCO ₃
7. Hydroxyl (OH)		OH <u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	÷ 35.5 <u>1</u> Cl
9. Sulfates (SO ₄)		SO ₄ <u>110</u>	÷ 48 <u>2</u> SO ₄
10. Calcium (Ca)		Ca <u>44</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		MG <u>22</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION**Saturation Values**CaCO₃CaSO₄ · 2H₂OMgCO₃**Distilled Water 20°C**

13 Mg/l

2,090 Mg/l

103 Mg/l

Compound	Equiv. Wt.	Σ	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>1</u>			<u>84</u>
Na ₂ SO ₄	71.03	<u>2</u>			<u>142</u>
NaCl	58.46	<u>1</u>			<u>59</u>

REMARKS _____

435 722 5727

Attachment F-1

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (435) 722-5066
Fax (435) 722-5727**WATER ANALYSIS REPORT**Company INLAND Address _____ Date 03-11-98Source WD 22.5G Date Sampled _____ Analysis No. _____

	Analyte	mg/l(ppm)	*Meg/l
1. PH	<u>9.3</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.020</u>		
4. Dissolved Solids		<u>21,866</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>360</u>	÷ 30 <u>12</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>600</u>	÷ 61 <u>10</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>12,400</u>	÷ 35.5 <u>349</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>0</u>	÷ 48 <u>0</u> SO ₄
10. Calcium (Ca)	Ca	<u>32</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)	Mg	<u>7</u>	÷ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO ₃)		<u>110</u>	
13. Total Iron (Fe)		<u>0.8</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

2	Ca	←	HCO ₃	22
1	Mg	→	SO ₄	0
368	Na	→	Cl	349

Compound	Equly. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>1</u>			<u>73</u>
MgSO ₄	60.19				
MgCl ₂	47.82				
NaHCO ₃	54.00	<u>19</u>			<u>1,596</u>
Na ₂ SO ₄	71.03				
NaCl	58.46	<u>349</u>			<u>20,403</u>

Saturation Values**Distilled Water 20°C**

CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,000 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

Received Time—Mar. 13.—11:01AM—

435 722 5727

Attachment F-2

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

03-12-98

WATER DESCRIPTION:	JOHNSON WATER	WD 22-5G
P-ALK AS PPM CaCO3	0	601
M-ALK AS PPM CaCO3	492	984
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	12400
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	80
MAGNESIUM AS PPM CaCO3	90	29
SODIUM AS PPM Na	92	8464
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	21866
TEMP (DEG-F)	150	150
SYSTEM pH	7	9.3

WATER COMPATIBILITY CALCULATIONS
 JOHNSON WATER AND WD 22-5G
 CONDITIONS: TEMP.=150AND pH=8.2
 WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.48	36	0	0	0
90	1.43	35	0	0	0
80	1.38	34	0	0	0
70	1.33	33	0	0	0
60	1.28	32	0	0	0
50	1.22	30	0	0	0
40	1.18	29	0	0	0
30	1.14	28	0	0	0
20	1.11	27	0	0	0
10	1.07	26	0	0	0
0	1.03	25	0	0	0

Attachment G

Wells Draw #22-5-G Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4308	4329	4319	1996	0.90	2003
4864	4878	4871	2175	0.88	2164
5145	5153	5149	2057	0.83	2031
5269	5281	5275	2300	0.87	2291
5555	5564	5560	3000	0.97	2971
				Minimum	2003

Calculation of Maximum Surface Injection Pressure

$$P_{\max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$$

where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.

WELL DATA: 8-22-90

FORMATION - Green River perms @ 5,555 - 5,564'

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .97 PSI/Ft. base on a ISIP of 3,000 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bore Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 25 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	5,100	-	-	5,100
SLF	500	1#	20/40	550
SLF	500	2#	20/40	1,000
SLF	600	3#	20/40	1,800
SLF	600	4#	20/40	2,400
SLF	700	5#	20/40	3,500
SLF	700	6#	20/40	4,200
SLF	800	6#	16/30	4,800
SLF	900	6.5#	16/30	5,850
SLF	1,000	7#	16/30	7,000
FLUSH	5,420	-	-	-

WELL DATA: 8-25-90

FORMATION - Green River perfs @ 5,269' - 5,281'

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .87 PSI/Ft. base on a ISIP of 2,300 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bora Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 25 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	5,100	-	-	-
SLF	500	1#	20/40	500
SLF	500	2#	20/40	1,000
SLF	600	3#	20/40	1,800
SLF	600	4#	20/40	2,400
SLF	700	5#	20/40	3,500
SLF	700	6#	20/40	4,200
SLF	800	6#	16/30	4,800
SLF	900	6.5#	16/30	5,850
SLF	1,000	7#	16/30	7,000
FLUSH	5,130	-	-	-

WELL DATA: 8-27-90

FORMATION - Green River perfs @ 5,145 - 5,153'

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .83 PSI/Ft. base on a ISIP of 2,057 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bora Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 25 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	5,100	-	-	-
SLF	500	1#	20/40	500
SLF	500	2#	20/40	1,000
SLF	600	3#	20/40	1,800
SLF	600	4#	20/40	2,400
SLF	700	5#	20/40	3,500
SLF	700	6#	20/40	4,200
SLF	800	6#	16/30	4,800
SLF	900	6.5#	16/30	5,850
SLF	1,000	7#	16/30	7,000
FLUSH	5,010	-	-	-

WELL DATA: 8-29-90

FORMATION - Green River perfs @ 4,864 - 4,878'

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .88 PSI/Ft. base on a ISIP of 2,175 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bore Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 40 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	16,200	-	-	-
SLF	1,400	1#	20/40	1,400
SLF	1,600	2#	20/40	3,200
SLF	1,800	3#	20/40	5,400
SLF	1,900	4#	20/40	7,600
SLF	2,100	5#	20/40	10,500
SLF	2,400	6#	20/40	14,400
SLF	2,600	6#	16/30	15,600
SLF	2,800	6.5#	16/30	18,200
SLF	3,100	7#	16/30	21,700
FLUSH	4,740	TREATED FLUID		

WELL DATA: 8-31-90

FORMATION - Green River perfs @ 4,308 - 4,329

CASING - 5 1/2" 17#/ft. to \pm 6,000'

FRAC GRADIENT - .90 PSI/Ft. base on a ISIP of 1,996 PSI.
With a base density of 8.33#/G.

FLUID DESCRIPTION: - Bora Gel 1300

BASE FLUID - Fresh Water 8.33#/G.

PAD - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breakers as needed.

SLF - Base fluid containing 7.5 G/M LGC-IV,
1.5 #/M K-38, 7 #/M K-35, 1 G/M Lo-Surf
-357, 2 G/M Clay-Fix-II, 30 #/M Adomite
Regain, .1 G/M BE-3, 1 G/M Cla-Sta-XP.
With breaker as needed.

FLUSH - Base fluid containing 2.5 G/M LGC-IV.

PURPOSED TREATMENT DESIGN:

Treat down 5 1/2" casing at a constant
slurry rate of 40 BPM. With anticipated
well head pressure of 2,000 PSI. as follows:

EVENT	VOLUME (G)	PROP-CONC. (#/G)	PROP. TYPE	PROP. VOLUME (#)
PAD	16,200	-	-	-
SLF	1,400	1#	20/40	1,400
SLF	1,600	2#	20/40	3,200
SLF	1,800	3#	20/40	5,400
SLF	1,900	4#	20/40	7,600
SLF	2,100	5#	20/40	10,500
SLF	2,400	6#	20/40	14,400
SLF	2,600	6#	16/30	15,600
SLF	2,800	6.5#	16/30	18,200
SLF	3,100	7#	16/30	21,700
FLUSH	4,200	TREATED FLUID		

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** **Set 159' plug from 5455'-5614' with 30 sxs Class "G" cement.**
2. **Plug #2** **Set 567' plug from 4764'-5331' with 75 sxs Class "G" cement.**
3. **Plug #3** **Set 171' plug from 4208'-4379' with 30 sxs Class "G" cement.**
4. **Plug #4** **Set 200' plug from 2200'-2000' with 30 sxs Class "G" cement.**
5. **Plug #5** **Set 100' plug from 261'-361' (50' on either side of casing shoe) with 15 sxs Class "G" cement.**
6. **Plug #6** **Set 50' plug from surface with 10 sxs Class "G" cement.**
7. **Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 311' to surface.**

The approximate cost to plug and abandon this well is \$18,000.

Federal #22-5G

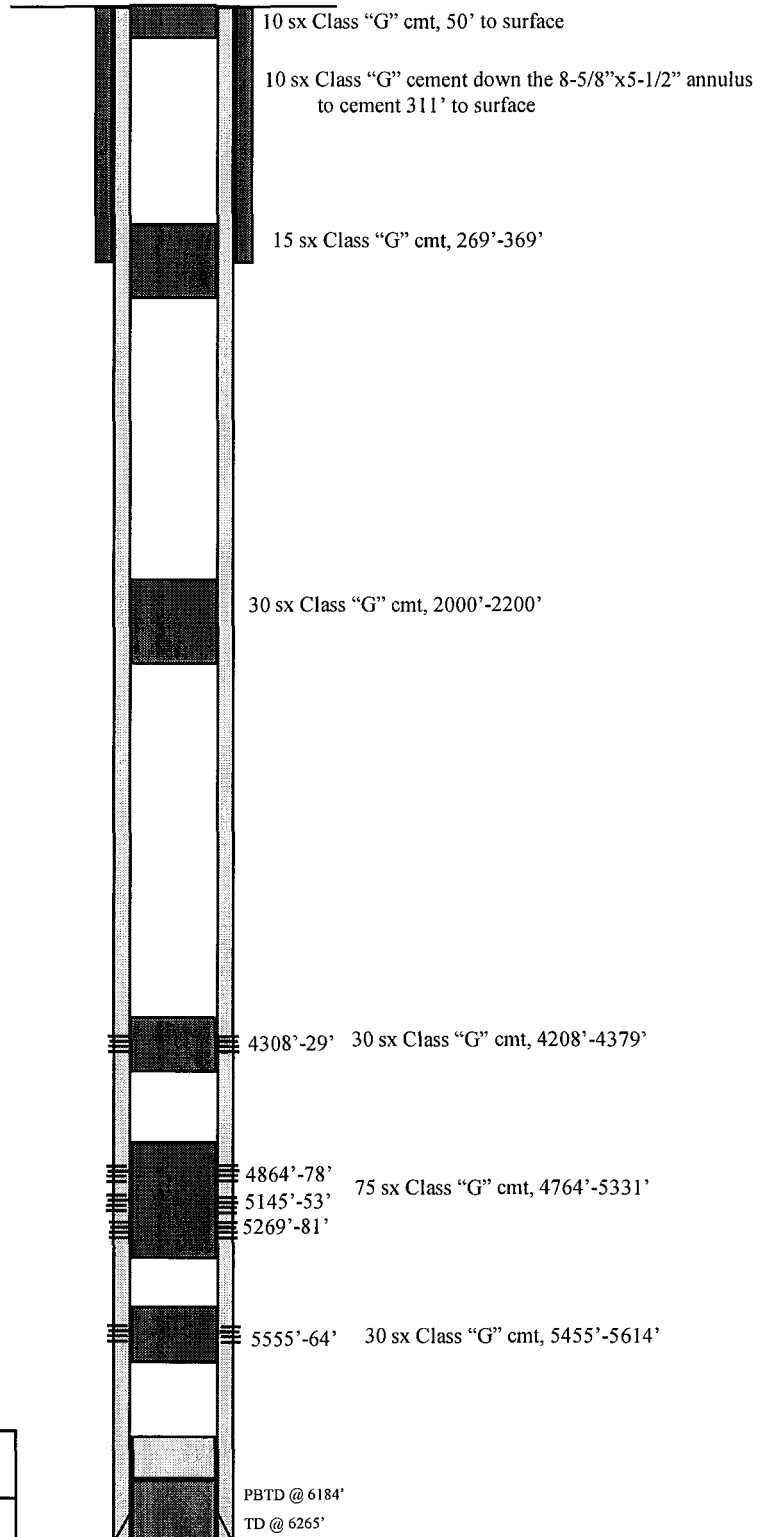
Spud Date: 5/25/90
 Put on Production: 9/6/90
 GL: 5786' KB: ?

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: ? JTS
 DEPTH LANDED: 311'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: ? jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
 CEMENT TOP AT: 1610'
 SET AT: 6259'

Proposed P&A
Wellbore Diagram

Inland Resources Inc.

Federal #22-5-G

1837 FWL 2032 FNL

SENW Section 5-T9S-R16E

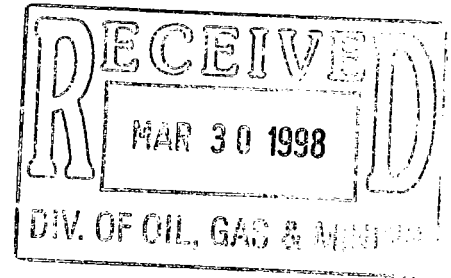
Duchesne Co, Utah

API #43-013-31273; Lease #U-30096



March 26, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801



RE: Permit Application for Water Injection Well
Wells Draw Federal #22-5-G, Wells Draw Unit
Monument Butte Field, Lease #U-30096
Section 5-Township 9S-Range 16E
Duchesne County, Utah

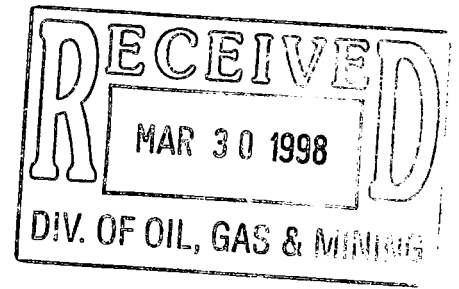
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Wells Draw Federal #22-5-G from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Debbie Knight at (303) 382-4434.

Sincerely,

John E. Dyer
Chief Operating Officer



INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
WELLS DRAW FEDERAL #22-5-G
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
WELLS DRAW UNIT
LEASE #U-30096
MARCH 26, 1998

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ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

June 11, 1998

Inland Production Company
475 Seventeenth Street, Suite 1500
Denver, Colorado 80202

Re: Wells Draw Unit Wells: Wells Draw Federal #22-5-G and Wells Draw #1-4, Sections 5 and 4, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza
Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Roosevelt

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Wells Draw Fed. #22-5-G

Location: 5/9S/16E

API: 43-013-31273

Ownership Issues: The proposed well is located on BLM land. The well is located in the Wells Draw Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah, School and Institutional Trust Lands Administration (SITLA). The Federal Government and SITLA are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Wells Draw Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 311 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6259 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4291 feet. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells and 1 water injection well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 1000 feet. Injection shall be limited to the interval between 4308 feet and 5564 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 22-5-G well is .90 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2003 psig. The requested maximum pressure is 2003 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Wells Draw Federal #22-5-G
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Wells Draw Unit on January 26, 1994. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date: 6/9/98

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

WELLS DRAW FEDERAL #22-5G-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

WELLS DRAW UNIT

LEASE #UTU-30096

FEBRUARY 29, 2008

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ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

**The following wells located within the ½ mile radius, were not completed at the time of permit submission, therefore wellbore diagrams were not submitted:

WELLS DRAW FEDERAL #G-5-9-16

WELLS DRAW FEDERAL #H-5-9-16

WELLS DRAW FEDERAL #I-5-9-16

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1401 17th Street, Suite 1000
Denver, Colorado 80202

Well Name and number: Wells Draw Federal #22-5G-9-16
Field or Unit name: Monument Butte (Green River), Wells Draw Unit Lease No. UTU-30096
Well Location: QQ SE/NW section 5 township 9S range 16E county Duchesne


Is this application for expansion of an existing project? Yes ☒ No ☐
Will the proposed well be used for: Enhanced Recovery? Yes ☒ No ☐
Disposal? Yes ☐ No ☒
Storage? Yes ☐ No ☒
Is this application for a new well to be drilled? Yes ☐ No ☒
If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☒
Date of test: _____
API number: 43-013-31273

Proposed injection interval: from 4161 to 5735
Proposed maximum injection: rate 500 bpd pressure 1968 psig
Proposed injection zone contains ☐ oil, ☐ gas, and/or ☐ fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature 
Title Regulatory Analyst Date 4/4/08
Phone No. (303) 893-0102

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

Wells Draw Federal #22-5G-9-16

Spud Date: 05/25/1990
Put on Production: 10/5/90
GL: 5786' KB: 5801' 15' KB

Initial Production: 228 BOPD, 0 MCFD
57 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 24#
LENGTH: 7 jts.
DEPTH LANDED: 311' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 210 sks Class "G" cmt, est 43 bbls to surface

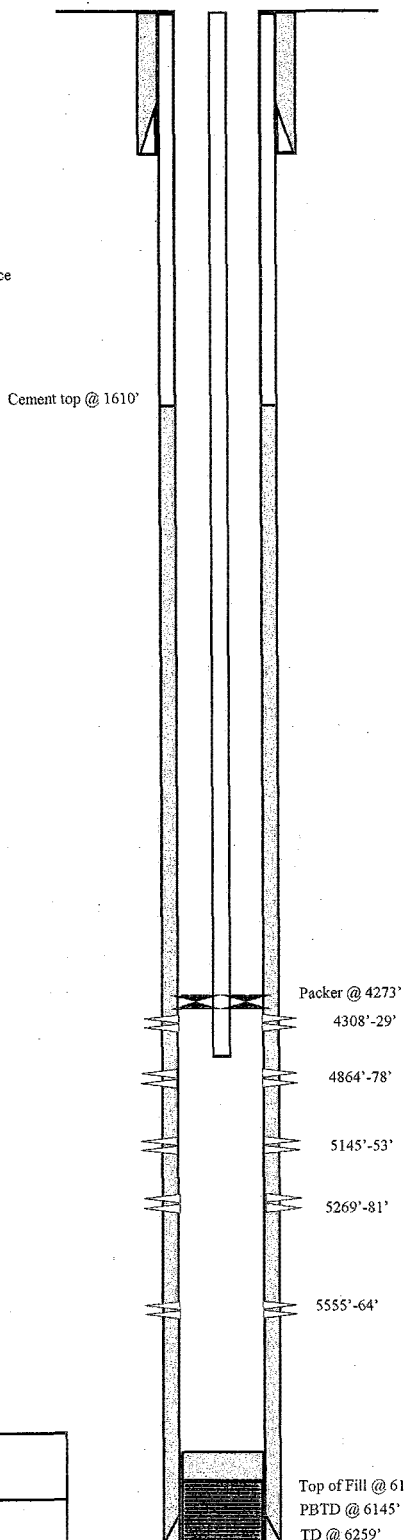
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 17#
LENGTH: 149 jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
CEMENT TOP AT: 1610'
SET AT: 6259' KB

TUBING

SIZE/GRADE/WT: 2-7/8", 6.5#, J-55
NO. OF JOINTS: 177 jts. (5484.86')
TUBING ANCHOR: 5499.86' KB
NO. OF JOINTS: 2 jts ((66.15')
SEATING NIPPLE: 2-7/8"
SN LANDED AT: 5568.74' KB
NO. OF JOINTS: 1 jts ((31.52')
TOTAL STRING LENGTH: EOT @ 5601.81' KB

Proposed Injection Wellbore Diagram



FRAC JOB

08-23-90	5555'-5564'	Frac E2 sands as follow: 14,300# 20/40 sd and 18,200# 16/30 sd
08-25-90	5269'-5281'	Frac E0 sands as follow: 13,600# 20/40 sd and 18,100# 16/30 sd
08-28-90	5145'-5153'	Frac D sands as follow: 15,300# 20/40 sd and 17,700# 16/30 sd
08-30-90	4864'-4878'	Frac DC2 sands as follow: 45,700# 20/40 sd and 57,800# 16/30 sd
09-01-90	4308'-4329'	Frac A sands as follow: 41,800# 20/40 sd and 56,700# 16/30 sd
11-19-03		Tubing leak: Update rod and tubing details.

PERFORATION RECORD

08-23-90	5555'-5564'	4 JSPF	36 holes
08-25-90	5269'-5281'	4 JSPF	48 holes
08-28-90	5145'-5153'	4 JSPF	32 holes
08-30-90	4864'-4878'	4 JSPF	56 holes
09-01-90	4308'-4329'	4 JSPF	84 holes

NEWFIELD

Wells Draw Federal #22-5G-9-16

1837' FWL 2032' FNL

SE/NW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #UTU-30096

CT 2/28/08

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1401 17th Street, Suite 1000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Wells Draw Federal #22-5G-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field, Wells Draw Unit.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Wells Draw Federal #22-5G-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (4161' - 5735'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3827' and the TD is at 6257'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Wells Draw Federal #22-5G-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #UTU-30096) in the Monument Butte Federal (Green River) Field, Wells Draw Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, K-55 surface casing run to 311' KB, and 5-1/2", 17#, J-55 casing run from surface to 6259' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1968 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Wells Draw Federal #22-5G-9-16, for existing perforations (4308' - 5564') calculates at 0.90 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1968 psig. We may add additional perforations between 3827' and 6257'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Wells Draw Federal #22-5G-9-16, the proposed injection zone (4161' - 5735') is in the Garden Gulch to Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-13.

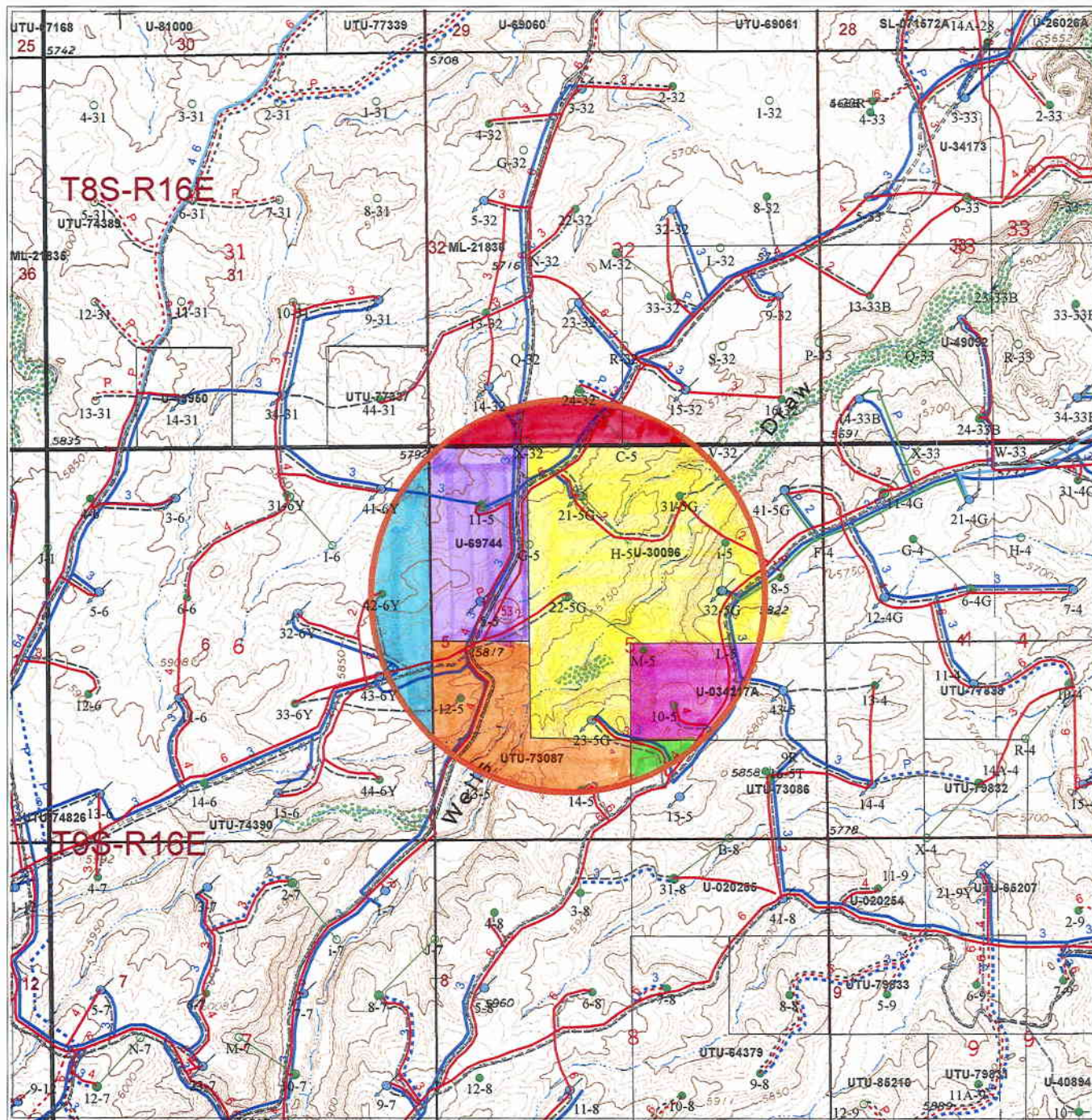
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



- Well Status**
- Location
 - ⊕ CTI
 - ⊙ Surface Spud
 - ⊙ Drilling
 - ⊙ Waiting on Completion
 - Producing Oil Well
 - ☀ Producing Gas Well
 - ⊕ Water Injection Well
 - ⊙ Dry Hole
 - ⊙ Temporarily Abandoned
 - ⊙ Plugged & Abandoned
 - ⊙ Shut In
- Countyline**
- Injection system**
- high pressure
 - low pressure
 - proposed
 - return
 - return proposed
- Gas Pipelines**
- Gathering lines
 - Proposed lines
- Leases**
- 22-5G-9-16 1/2mile radius

U-30096
U-34217A
U-73086
U-73087
U-6974
U-74390
ML-21836

Attachment A

Wells Draw 22-5G-9-16
Section 5, T9S-R16E



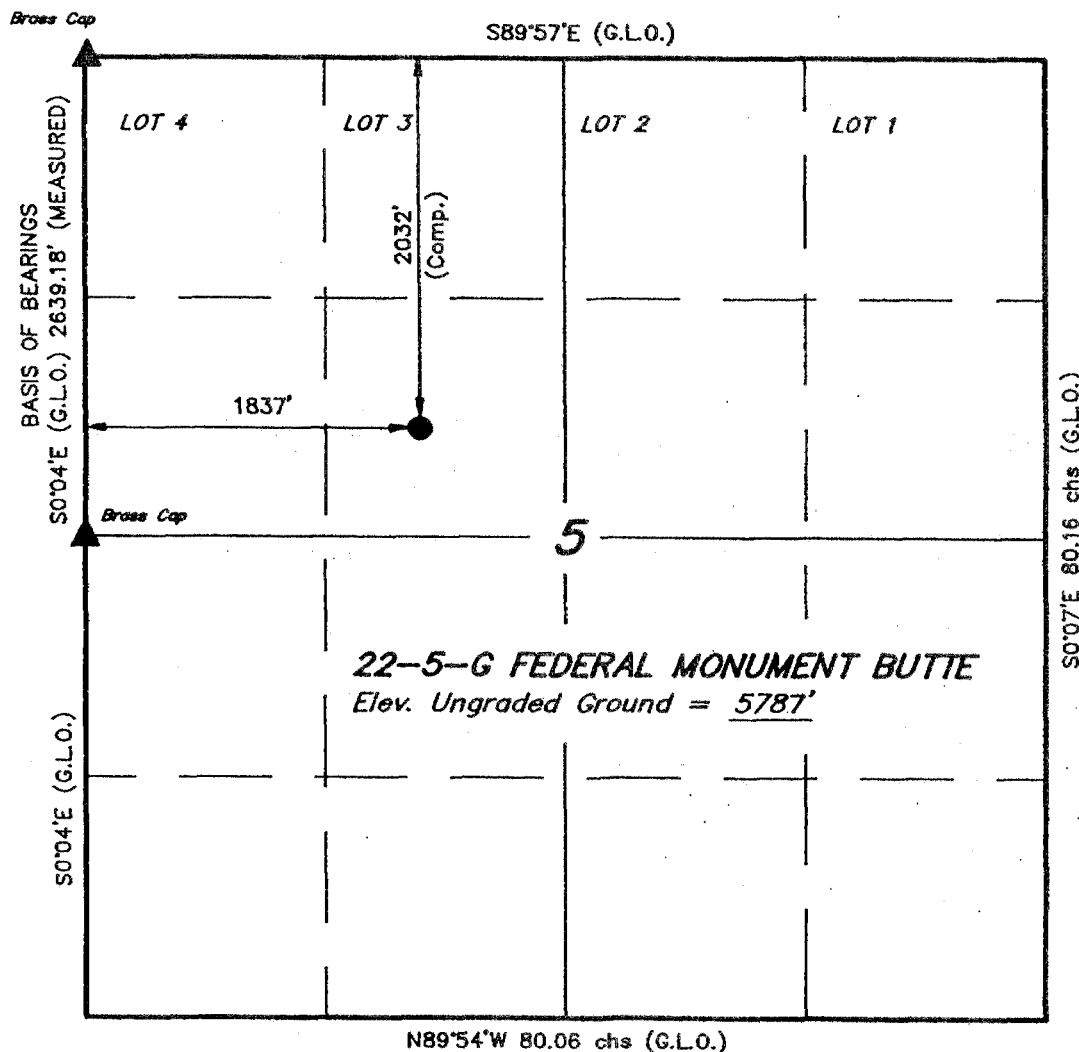
1/2 Mile Radius Map

Duchesne County

Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102

February 6, 2008

T9S, R16E, S.L.B.&M.



▲ = SECTION CORNERS LOCATED.

PG&E RESOURCES COMPANY

Well location 22-5-G FEDERAL MONUMENT BUTTE, located as shown in the SE 1/4 NW 1/4 of Section 5, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 5, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5792 FEET.

Attachment A-1



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

REVISED: 2-21-90 J.R.S.

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 86 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-7-90
PARTY D.A. J.F. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER COLD - CLEAR	FILE PG&E RESOURCES CO.

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 16 East Section 4: Lots 1-4, S2N2 Section 5: Lots 1-3, S2NE4, SENW, NESW	UTU-30096 HBP	Newfield Production Company	(Surface Rights) USA
2	Township 9 South, Range 16 East Section 5: N2SE	U-034217-A HBP	Newfield Production Company	(Surface Rights) USA
3	Township 9 South, Range 16 East Section 4: W2SW Section 5: S2SE	U-73086 HBP	Newfield Production Company	(Surface Rights) USA
4	Township 9 South, Range 16 East Section 5: W2SW, SESW	UTU-73087 HBP	Newfield Production Company	(Surface Rights) USA
5	Township 9 South, Range 16 East Section 5: Lot 4, SWNW	UTU-69744 HBP	Newfield Production Company Producers Pipeline Corporation	(Surface Rights) USA
6	Township 9 South, Range 16 East Section 6: All Section 7: All Section 8: W2 Section 17: NW4 Section 18: Lots 1, 2, NE, E2NW	UTU-74390 HBP	Newfield Production Company Yates Petroleum Corp ABO Petroleum Corp. Yates Drilling Company Myco Industries	(Surface Rights) USA
7	Township 8 South, Range 16 East Section 32: All	ML-21836 HBP	Newfield Production Company Producers Pipeline Corp. Gavilan Petroleum Inc. Dall Cook	(Surface Rights) St. of Utah

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Wells Draw Federal #22-5G-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____

Newfield Production Company
Eric Sundberg
Regulatory Analyst

Sworn to and subscribed before me this 4TH day of APRIL, 2008.

Notary Public in and for the State of Colorado: _____

Margaret A. Hubbard

My Commission Expires: FEBRUARY 26, 2010

**My Commission Expires
February 26, 2010**

**MARGARET A HUBBARD
Notary Public
State of Colorado**

Wells Draw Federal #22-5G-9-16

Spud Date: 05/25/1990
Put on Production: 10/5/90
GL: 5786' KB: 5801' 15' KB

Initial Production: 228 BOPD, 0 MCFD
57 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 24#
LENGTH: 7 jts.
DEPTH LANDED: 311' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 210 sks Class "G" cmt, est 43 bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 17#
LENGTH: 149 jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
CEMENT TOP AT: 1610'
SET AT: 6259' KB

TUBING

SIZE/GRADE/WT: 2-7/8", 6.5#, J-55
NO. OF JOINTS: 177 jts. (5484.86')
TUBING ANCHOR: 5499.86' KB
NO. OF JOINTS: 2 jts ((66.15')
SEATING NIPPLE: 2-7/8"
SN LANDED AT: 5568.74' KB
NO. OF JOINTS: 1 jts ((31.52')
TOTAL STRING LENGTH: EOT @ 5601.81' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
SUCKER RODS: 1 - 8' x 1 1/2" weight bars, 4 - 1 1/2" weighted rods, 40-3/4" scraped rods (New), 81 - 3/4" plain rods, 97 - 7/8" scraped rods, 1 - 8', 1 - 6' x 7/8" pony rods.
PUMP SIZE: 2-1/2"x1-1/2"x16' RHAC Axelson Pump.
STROKE LENGTH: 64"
PUMP SPEED, SPM: 7.0
LOGS: CBL/GR

FRAC JOB

08-23-90	5555'-5564'	Frac E2 sands as follow: 14,300# 20/40 sd and 18,200# 16/30 sd
08-25-90	5269'-5281'	Frac E0 sands as follow: 13,600# 20/40 sd and 18,100# 16/30 sd
08-28-90	5145'-5153'	Frac D sands as follow: 15,300# 20/40 sd and 17,700# 16/30 sd
08-30-90	4864'-4878'	Frac DC2 sands as follow: 45,700# 20/40 sd and 57,800# 16/30 sd
09-01-90	4308'-4329'	Frac A sands as follow: 41,800# 20/40 sd and 56,700# 16/30 sd
11-19-03		Tubing leak: Update rod and tubing details.

Cement top @ 1610'

SN @ 5569'

Anchor @ 5500' KB
5555'-64'

EOT @ 5602'
Top of Fill @ 6127'
PBTD @ 6145'
SHOE & TD @ 6259'

PERFORATION RECORD

08-23-90	5555'-5564'	4 JSPF	36 holes
08-25-90	5269'-5281'	4 JSPF	48 holes
08-28-90	5145'-5153'	4 JSPF	32 holes
08-30-90	4864'-4878'	4 JSPF	56 holes
09-01-90	4308'-4329'	4 JSPF	84 holes

NEWFIELD

Wells Draw Federal #22-5G-9-16

1837' FWL 2032' FNL

SE/NW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #UTU-30096

Wells Draw Federal #11-5-9-16

Spud Date: 12/31/85
Put on Production: 2/11/86
GL: 5815' KB: 5829'

Initial Production: 101 BOPD,
100 MCFD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: ?
WEIGHT: 40#
DEPTH LANDED: 285'
HOLE SIZE: 12-1/4"
CEMENT DATA: 197 sxs Class "G" with additives.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: ?
WEIGHT: 17#
DEPTH LANDED: 5978'
HOLE SIZE: 7-7/8"
CEMENT DATA: 185 sxs lodense & 250 sxs 10% gypseal.

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 177 jts. (5696.56')
TUBING ANCHOR: 5706.56' KB
NO. OF JOINTS: 1 jt. (31.43')
SN LANDED AT: 5740.79' KB
NO. OF JOINTS: 2 jts. (64.44')
TOTAL STRING LENGTH: EOT @ 5805.68' w/13' KB

SUCKER RODS

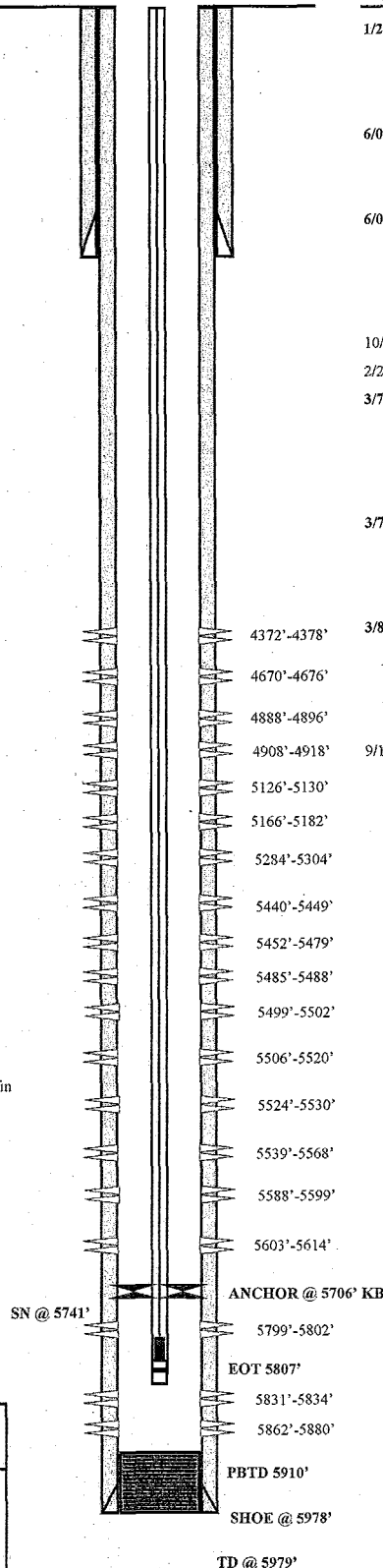
POLISHED ROD: 1-1/2" x 22' SM (1 3/4")
SUCKER RODS: 6-1 1/2" weight bars; 34-3/4" scraped rods; 97-3/4" plain rods; 92-3/4" scraped rods; 1-2" x 7/8", 2-4", x 3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC w/SM Plunger
STROKE LENGTH: 65"
PUMP SPEED, SPM: 5 SPM
LOGS: DLL-MSFL, FDC-CNL

FRAC JOB

1/28/86	5440'-5614'	Frac w/238,000# 20/40 sd & 60,000# 16/30 sd in 94,000 gal frac. Flush w/4650 gals KCL wtr. Avg press 2250 @ 56 bpm. ISIP 2200. Flow well on 16/64" ck for 5 hrs. Rec 97 BW w/tr of sd.
6/01/87	5284'-5304'	Frac w/97,000# 20/40 sd in 24,500 gal frac. Avg rate 30 bpm, avg press 1900. ISIP 2800, 5 min 2200, 10 min 1870, 15 min 1670.
6/02/87	4888'-4918'	Frac w/97,000# 20/40 sd in 24,500 gal frac. Avg rate 31 bpm, avg press 2000. ISIP 2000, 5 min 1770, 10 min 1680, 15 min 1640. Open well on 10/64" ck. Flowed 120 BW. Pressure dropped to zero.
10/2/01		Pump change. Update rod and tubing details.
2/26/02		Pump change. Update rod and tubing details.
3/7/03	5799'-5880'	Frac CP sands as follows: 59,994# of 20/40 sand in 456 bbls YF 125 fluid. Treated @ ave pressure 3715 psi W/ave rate of 17 BPM. ISIP-2030 psi. Calc. flush: 1506 gals. Actual flush: 1385 gals.
3/7/03	5126'-5182'	Frac B sands as follows: 50,757# of 20/40 sand in 383 bbls YF 125 fluid. Treated @ ave pressure 3351 psi W/ave rate of 16.9 BPM. ISIP-1935 psi. Actual flush: 1218 gals.
3/8/03	4372'-4676'	Frac GB4/PB11 sands as follows: 56,716# of 20/40 sand in 466 bbls YF 125 fluid. Treated @ ave pressure 2248 psi W/ave rate of 18.5 BPM. ISIP-2980 psi. Calc. flush: 4372 gals. Actual flush: 4193 gals.
9/13/03		Tubing Leak. Update rod and tubing details.

PERFORATION RECORD

1/27/86	5603'-5614'	3 JSPF	33 holes
1/27/86	5588'-5599'	3 JSPF	33 holes
1/27/86	5539'-5568'	3 JSPF	87 holes
1/27/86	5524'-5530'	3 JSPF	18 holes
1/27/86	5506'-5520'	3 JSPF	36 holes
1/27/86	5499'-5502'	3 JSPF	9 holes
1/27/86	5485'-5488'	3 JSPF	9 holes
1/27/86	5452'-5479'	3 JSPF	81 holes
1/27/86	5440'-5449'	3 JSPF	27 holes
6/01/87	5284'-5304'	3 JSPF	60 holes
6/01/87	4908'-4918'	3 JSPF	30 holes
6/01/87	4888'-4896'	3 JSPF	24 holes
3/6/03	5862'-5880'	4 JSPF	72 holes
3/6/03	5831'-5834'	4 JSPF	12 holes
3/6/03	5799'-5802'	4 JSPF	12 holes
3/6/03	5166'-5182'	4 JSPF	64 holes
3/6/03	5126'-5130'	4 JSPF	16 holes
3/6/03	4670'-4676'	4 JSPF	24 holes
3/6/03	4372'-4378'	4 JSPF	24 holes



Inland Resources Inc.

Wells Draw Federal #11-5-9-16

687' FWL & 781' FNL

NW/NW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31144; Lease #U-69744

Wells Draw #21-5G-9-16

Spud Date: 3/28/83
Put on Production: 8/29/83
GL: 5797' KB: 5811'

Initial Production: 80 BOPD, 0 MCFD
25 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: K-55
WEIGHT: 32#
LENGTH: 7 JTS
DEPTH LANDED: 311'
HOLE SIZE: 12-1/4"
CEMENT DATA: 215 sks Class "G" cmt, est 7 bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 157 jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 338 sks BS Lite & 863 sks 50/50 Poz
CEMENT TOP AT:
SET AT: 6500'

TUBING

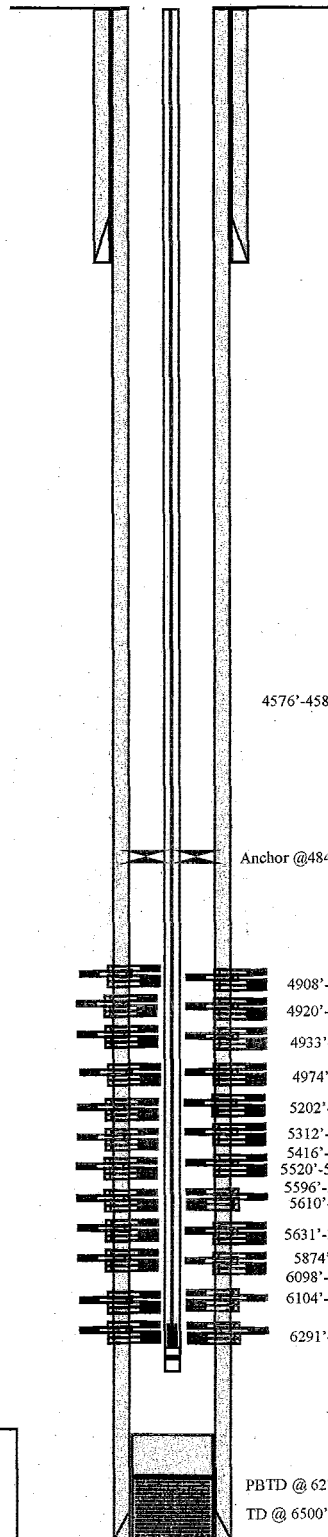
SIZE/GRADE/WT: 2-7/8", J-55
NO. OF JOINTS: 192
TUBING ANCHOR: Baker @ 4845'
TOTAL STRING LENGTH: 6162.02'
SN LANDED AT: 6128.24'

SUCKER RODS

Rods: 90 7/8" rods; 9 3/4" sinker bars; 144 3/4" rods
Pump: Axelson 2-1/2" x 1-1/2" x 16' RWAC

FRAC JOB

6098'-6294' 76,000# 20/40 sd and 31,440 gal Versagel
5596'-5635' 144,000# 20/40 sd and 41,270 gal Versagel
5202'-5316' 98,000# 20/40 sd and 31,150 gal Versagel
4908'-4976' 180,000# 20/40 sd and 50,290 gal Versagel
4576'-4586' 58,720# 20/40 ssand in 452 bbls Lightning 17 frac fluid. Treated @ ave pressure of 3671 w/ave rate of 14.3 bpm w/6 ppg of sand. ISIP was 2700.
5874'-5884' 29,352# of 20/40 sand in 285 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4645 w/ave rate of 14.3 bpm w/6 ppg of sand. ISIP was 3150.

PERFORATION RECORD

6291'-6294'	3 SPF	10 holes
6104'-6111'	1 SPF	4 holes
6098'-6101'	1 SPF	8 holes
5631'-5635'	1 SPF	5 holes
5610'-5622'	1 SPF	13 holes
5596'-5601'	1 SPF	6 holes
5312'-5316'	1 SPF	5 holes
5202'-5205'	2 SPF	7 holes
4974'-4976'	1 SPF	3 holes
4933'-4938'	1 SPF	6 holes
4920'-4925'	1 SPF	6 holes
4908'-4913'	1 SPF	6 holes
4576'-4586'	4 SPF	40 holes
5416'-5422'	4 SPF	12 holes
5520'-5526'	4 SPF	12 holes
5874'-5884'	4 SPF	40 holes

NEWFIELD

Wells Draw #21-5G-9-16
637 FNL 2005 FWL
NENW Section 5-T9S-R16E
Duchesne Co, Utah
API #43-013-30698; Lease #U-30096

Wells Draw #31-5G-9-16

Spud Date: 1/15/90
Put on Production: 4/7/90
GL: 5701' KB: 5713'

Initial Production: 100 BOPD, 0 MCFD
100 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8" surface
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts (321')
DEPTH LANDED: 332'
HOLE SIZE: 12-1/4"
CEMENT DATA: 225 sxs Class "G", 2% CaCl₂, 1/4#/sx cello flake

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 155 jts. (6390')
DEPTH LANDED: 6388'
HOLE SIZE: 7-7/8"
CEMENT DATA: 318 sxs DS Hi Lift. Tail w/535 sxs DS 10-0 RFC
CEMENT TOP AT: ?

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 191 jts (6004.07')
TUBING ANCHOR: 6015.07'
NO. OF JOINTS: 2 jts (62.42')
SEATING NIPPLE: 2-7/8"
SN LANDED AT: 6080.29'
NO. OF JOINTS: 1 jt (31.35')
TOTAL STRING LENGTH: EOT 6113.19'

SUCKER RODS

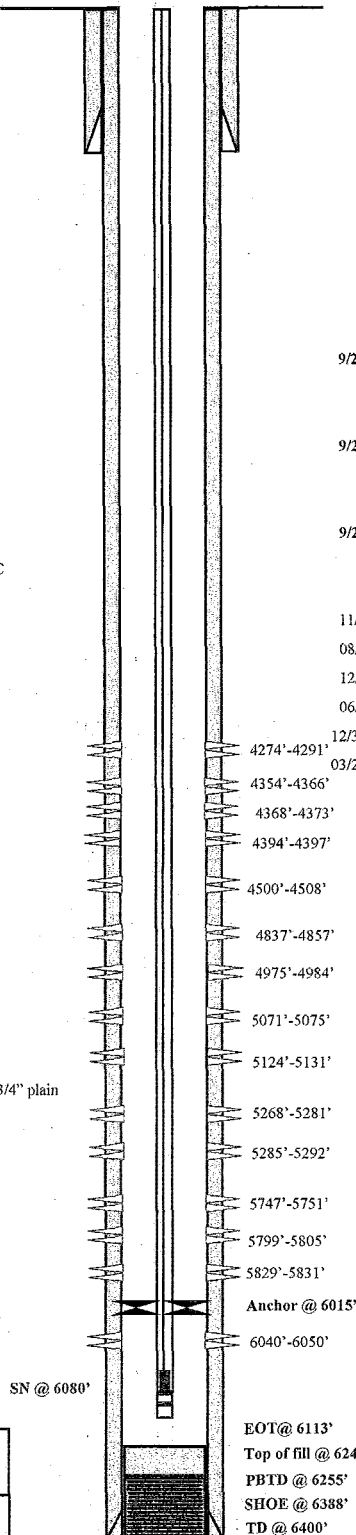
POLISHED ROD: 1 1/2" x 22'
SUCKER RODS: 1-2' x 7/8" pony rods, 91-7/8" scraped rods, 104-3/4" plain rods, 40-3/4" scraped rods, 6-1 1/2" weight bars,
PUMP SIZE: 2 1/2" x 1 1/2" x 4' x 7" RTBC CDI PUMP
STROKE LENGTH: 86"
PUMP SPEED, SPM: 4 SPM

FRAC JOB

4274'-4291' 35,100# 20/40 sand, 41,000# 16/30 sand, 844 bbls fluid @ avg 42 BPM @ 2200, ISIP 2430 psi.
4500'-4508' 24,100# 20/40 sand, 34,600 16/30 sand, 641 bbls fluid @ avg 35 BPM @ 2500, ISIP 2750 psi.
4837'-4857' 52,500# 20/40 sand, 15,000# 16/30 sand, cut job short 1045 bbls fluid, @ avg 45 BPM @ 2400, ISIP 2250 psi.
4975'-4984' 32,230# 20/40 sand, 35,770 16/30 sand, 784 bbls fluid @ avg 42 BPM @ 2300 psi, screened off 1/2 flush.
5268'-5292' 57,500# 20/40 sand, 69,000# 16/30 sand, 1270 bbls fluid, @ avg 45 BPM @ 1900#, ISIP 2050 psi.
6040'-6050' 32,300# 20/40 sand, 42,500 #16/30 sand, 858 bbls fluid, @ avg 35 BPM @ 1950, ISIP 2150 psi.
9/21/01 6040'-6050' Frac CP sands as follows:
54,500# 20/40 sand in 355 bbls. Viking I-25 Frac fluid. Treated at avg. pressure of 4285 psi @ 19.8 BPM. ISIP 2540 psi.
9/25/01 5071'-5131' Frac B sands as follows:
52,000# 20/40 sand in 351 bbls. Viking I-25 Frac fluid. Treated at avg. pressure of 3360 psi @ 16.6 BPM. ISIP 2220 psi.
9/26/01 4354'-4397' Frac GB-6 sands as follows:
79,000# 20/40 sand in 521 bbls. Viking I-25 Frac fluid. Treated at avg. pressure of 2950 psi @ 18.8 BPM. ISIP 2360 psi.
11/17/01 Stuck pump. Update top of fill depth.
08/23/02 Pump change. Update rod details.
12/04/02 Pump change. Update rod details.
06/10/05 Parted rods. Update rod detail.
12/30/05 Pump change. Update rod and tubing details.
03/20/06 Acidize perfs. Update rod and tubing details.

PERFORATION RECORD

4274'-4291'	4 SPF	68 Holes
4500'-4508'	4 SPF	32 Holes
4837'-4857'	4 SPF	80 Holes
4975'-4984'	4 SPF	36 Holes
5268'-5281'	4 SPF	52 Holes
5285'-5292'	4 SPF	28 Holes
6040'-6050'	4 SPF	40 Holes
9/20/01 5829'-5831'	4 SPF	08 Holes
9/20/01 5799'-5805'	4 SPF	24 Holes
9/20/01 5747'-5751'	4 SPF	16 Holes
9/20/01 5124'-5131'	4 SPF	28 Holes
9/20/01 5071'-5075'	4 SPF	16 Holes
9/20/01 4394'-4397'	4 SPF	12 Holes
9/20/01 4368'-4373'	4 SPF	20 Holes
9/20/01 4354'-4366'	4 SPF	48 Holes



NEWFIELD

Federal #31-5G-9-16

685' FNL & 1925' FEL

NW/NE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31252; Lease #UTU-30096

Monument Federal #42-6Y-9-16

Spud Date: 7/8/96

Put on Production: 8/22/96

GL: 5835' KB: 5845' (10' KB)

Initial Production: 55 BOPD, 0
MCFPD, 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 5 jts (242.22')

DEPTH LANDED: 252.22' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 142 jts. (5967.34')

DEPTH LANDED: 5977.34' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 395 sxs Super "G" & 435 sxs 50/50 Poz

CEMENT TOP AT: 405' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 181 jts. (5734.17')

TUBING ANCHOR: 5744.17'

NO. OF JOINTS: 1 jt. (33.07')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5780.04' KB

NO. OF JOINTS: 1 jt. (31.52')

TOTAL STRING LENGTH: EOT @ 5817.11'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM

SUCKER RODS: 5-1 1/2" weight bars; 1-1 5/8" weight bar; 80-3/4" scraped rods; 46-3/4" plain rods; 99-3/4" scraped rods; 2-4', x 3/4" pony rods.

PUMP SIZE: 2 1/2" x 1 1/2" x 14' RHAC

STROKE LENGTH: 74"

PUMP SPEED, SPM: 4.5 SPM

FRAC JOB

7-30-96 5382'-5594'

Frac sand as follows:

95,700# of 20/40 sd and 215,440# 16/30 sd w/87,612 gals 2% KCL water. Treated @ avg rate 60.5 bpm, avg press 2800 psi. Breakdown @ 3137 psi. ISIP-2600 psi, 5-min 1900 psi.

8-07-96 4871'-4890'

Frac sand as follows:

53,014# of 16/30 sd w/20,016 gals 2% KCL water. Treated @ avg rate of 31.8 BPM, avg press 2450 psi. ISIP-2200 psi, 5-min 1950 psi.

8-07-96 4310'-4426'

Frac sand as follows:

48,800# 16/30 sand w/25,704 gals 2% KCL water. Treated w/avg press of 2900 psi w/avg rate of 30.8 BPM. ISIP-1900 psi, 5 min 1760 psi.

9/19/01

Tubing job. Update rod and tubing details.

03-17-03 5824'-5845'

Frac CP2 sand as follows:

65,300# 20/40 sand in YF 125 fluid. Treated w/avg press of 3875 psi w/avg rate of 16.5 BPM. ISIP-2275 psi. Actual Flush: 1439 gals. Calc. Flush: 1515 gals.

03-17-03 5240'-5246'

Frac A .5 sands as follows:

19,560# 20/40 sand in YF 125 fluid. Treated w/avg press of 4916 psi w/ avg rate of 15.2 BPM. Zone screened off 14 bbls. into flush.

03-18-03 5082'-5096'

Frac B .5 sands as follows:

44,833# 20/40 sand in 275 Bbls YF 125 fluid. Treated w/avg press of 3919 psi w/ avg rate of 17.3 BPM. ISIP-2440 psi. Actual Flush: 1217 gals. Calc. Flush: 1314 gals.

03-18-03 4612'-4615'

Frac PB10 sands as follows:

18,989# 20/40 sand in 139 bbls YF 125 fluid. Treated w/avg press of 3664 psi w/avg rate of 14 BPM. ISIP-2396 psi. Actual Flush: 1059 gals. Calc. Flush: 1210 gals.

2/2/04

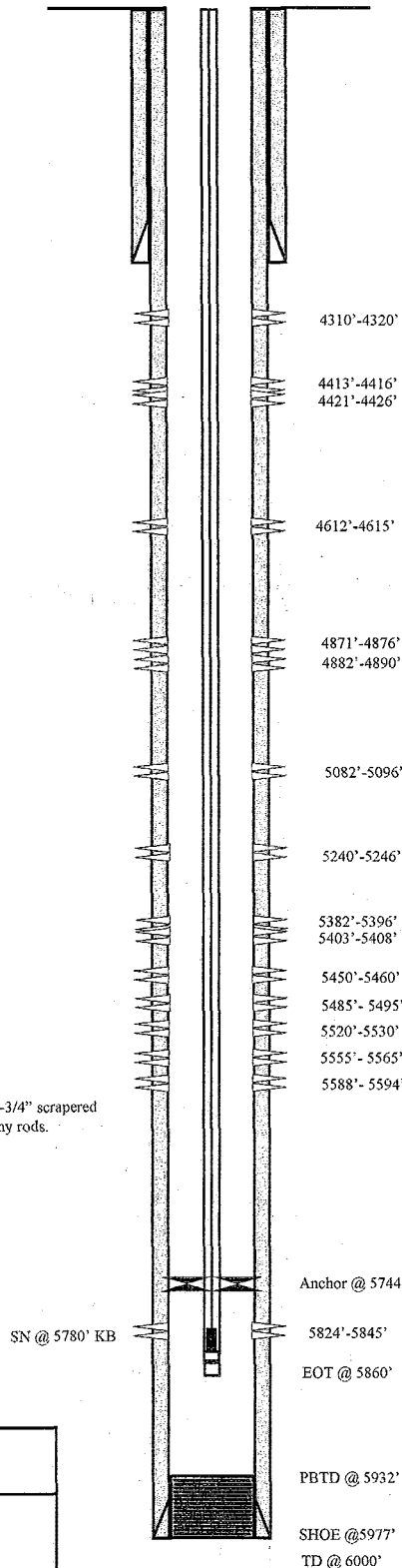
Tubing leak. Update rod and tubing details.

03/19/07

Pump Change. Update rod and tubing details.

PERFORATION RECORD

7-29-96	5588'-5594'	1 JSPF	6 holes
7-29-96	5555'-5565'	1 JSPF	10 holes
7-29-96	5520'-5530'	1 JSPF	10 holes
7-29-96	5485'-5495'	1 JSPF	10 holes
7-29-96	5450'-5460'	1 JSPF	10 holes
7-29-96	5403'-5408'	1 JSPF	5 holes
7-29-96	5382'-5396'	1 JSPF	14 holes
8-06-96	4871'-4876'	4 JSPF	20 holes
8-06-96	4882'-4890'	4 JSPF	32 holes
8-07-96	4421'-4426'		3 holes
8-07-96	4413'-4416'		3 holes
8-07-96	4310'-4320'		8 holes
03-14-03	5824'-5845'	4 JSPF	84 holes
03-14-03	5240'-5246'	4 JSPF	24 holes
03-14-03	5082'-5096'	4 JSPF	46 holes
03-14-03	4612'-4615'	4 JSPF	12 holes



NEWFIELD

Monument Federal #42-6-9-16Y

1980 FNL & 660 FEL

SENE Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31645; Lease #UTU-74390

Wells Draw #5-5-9-16

Spud Date: 10/19/2000
Put on Production: 1/10/2001
GL: 5803' KB: 5813'

Initial Production: 18.5 BOPD,
21.6 MCFD, 62.9 BWPD

SURFACE CASING

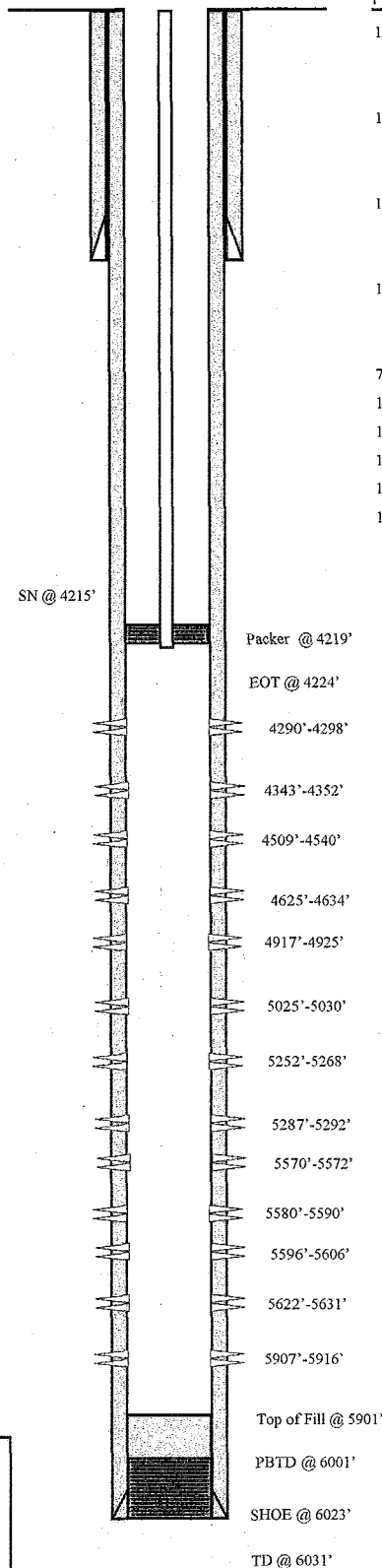
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (306.57')
HOLE SIZE: 12-1/4"
CEMENT DATA: 155 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 134 jts. (6022')
HOLE SIZE: 7-7/8"
TOTAL DEPTH: 5839'
CEMENT DATA: 275 sk Prem. Lite II mixed & 625 sxs 50/50 POZ.
CEMENT TOP AT: ? per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 129 jts (4205.15')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4215.15'
PACKER: 4219.46'
TOTAL STRING LENGTH: EOT @ 4223.56'

Injector Wellbore
DiagramFRAC JOB

1/03/01 5907'-5916' **Frac CP-3 sands as follows:**
Frac with 41,486# 20/40 sand in 370 bbls
Viking I-25 fluid. Treat at 2220 psi @ 28
BPM. ISIP 2280 psi.

1/03/01 5252'-5292' **Frac A sands as follows:**
Frac with 95,486# 20/40 sand in 608 bbls
Viking I-25 fluid. Treated at avg. 1930 psi @
31.5 BPM. ISIP 2510 psi.

1/04/01 4509'-4630' **Frac PB-10 sands as follows:**
Frac with 181,036# 20/40 sand in 1055 bbls
Viking I-25 fluid. Treated @ 2300 psi at 35.5
BPM. ISIP 2850 psi.

1/04/01 4290'-4352' **Frac GB-4 sands as follows:**
Frac with 77,411# 20/40 sand in 516 bbls
Viking I-25 fluid. Treated @ 1900 psi at 30
BPM. ISIP 2085 psi.

7/31/01 Pump change revised tubing and rod details.

10/3/01 Pump change. Update tubing and rod details.

12/12/01 Pump change. Update tubing and rod details.

11/13/02 Set Packer. Waiting on permission to inject.

12/10/02 Start Injecting.

10/10/07 5 year MIT completed and submitted.

PERFORATION RECORD

1/03/01	4290'-4298'	4 JSPF	32 holes
1/03/01	4343'-4352'	4 JSPF	36 holes
1/03/01	4509'-4540'	4 JSPF	124 holes
1/04/01	4625'-4534'	4 JSPF	36 holes
1/04/01	5252'-5268'	4 JSPF	64 holes
1/04/01	5287'-5292'	4 JSPF	20 holes
1/04/01	5907'-5916'	4 JSPF	36 holes
11/11/02	5622'-5631'	4 JSPF	36 holes
11/11/02	5596'-5606'	4 JSPF	40 holes
11/11/02	5580'-5590'	4 JSPF	40 holes
11/11/02	5570'-5572'	4 JSPF	8 holes
11/11/02	5025'-5030'	4 JSPF	20 holes
11/11/02	4917'-4925'	4 JSPF	32 holes

NEWFIELD

Wells Draw #5-5-9-16
2093' FNL & 661' FWL
SWNW Section 5-T9S-R16E
Duchesne Co, Utah
API #43-013-31759; Lease #UTU-69744

Wells Draw Federal #22-5G-9-16

Spud Date: 05/25/1990
 Put on Production: 10/5/90
 GL: 5786' KB: 5801' 15' KB

Initial Production: 228 BOPD, 0 MCFD
 57 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts.
 DEPTH LANDED: 311'KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210 sks Class "G" cmt, est 43 bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 149 jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
 CEMENT TOP AT: 1610'
 SET AT: 6259'KB

TUBING

SIZE/GRADE/WT: 2-7/8", 6.5#, J-55
 NO. OF JOINTS: 177 jts.(5484.86')
 TUBING ANCHOR: 5499.86'KB
 NO. OF JOINTS: 2 jts ((66.15')
 SEATING NIPPLE: 2-7/8"
 SN LANDED AT: 5568.74'KB
 NO. OF JOINTS: 1 jts ((31.52')
 TOTAL STRING LENGTH: EOT @ 5601.81'KB

SUCKER RODS

POLISHED ROD: 1-1/2"x 22'
 SUCKER RODS: 1 - 8' x 1 1/2" weight bars, 4 - 1 1/2" weighted rods, 40-3/4" scraped rods (New), 81 - 3/4" plain rods, 97 - 7/8" scraped rods, 1 - 8', 1 - 6' x 7/8" pony rods.
 PUMP SIZE: 2-1/2"x1-1/2"x16" RHAC Axelson Pump.
 STROKE LENGTH: 64"
 PUMP SPEED, SPM: 7.0
 LOGS: CBL/GR

FRAC JOB

08-23-90	5555'-5564'	Frac E2 sands as follow: 14,300# 20/40 sd and 18,200# 16/30 sd
08-26-90	5269'-5281'	Frac E0 sands as follow: 13,600# 20/40 sd and 18,100# 16/30 sd
08-28-90	5145'-5153'	Frac D sands as follow: 15,300# 20/40 sd and 17,700# 16/30 sd
08-30-90	4864'-4878'	Frac DC2 sands as follow: 45,700# 20/40 sd and 57,800# 16/30 sd
09-01-90	4308'-4329'	Frac A sands as follow: 41,800# 20/40 sd and 56,700# 16/30 sd
11-19-03		Tubing leak: Update rod and tubing details.

Cement top @ 1610'

SN @ 5569'

4308'-29'

4864'-78'

5145'-53'

5269'-81'

Anchor @ 5500'KB
 5555'-64'

EOT @ 5602'
 Top of Fill @ 6127'
 PBTD @ 6145'
 SHOE & TD @ 6259'

PERFORATION RECORD

09-04-97	5555'-5564'	4 JSPF	36 holes
09-04-97	5269'-5281'	4 JSPF	48 holes
09-04-97	5145'-5153'	4 JSPF	32 holes
09-04-97	4864'-4878'	4 JSPF	56 holes
09-04-97	4308'-4329'	4 JSPF	84 holes

NEWFIELD

Wells Draw Federal #22-5G-9-16

1837' FWL 2032' FNL

SE/NW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #UTU-30096

NGC Federal #32-5G

Spud Date: 7/19/82

Pu

t on Injection: 1/11/95
GL: 5809' KB: 5823'Initial Production: 290 BOPD,
115 MCFPD, 9 BWPD

Injection Diagram

SURFACE CASINGCSG SIZE: 9-5/8"
GRADE: K-55
WEIGHT: 36#
LENGTH: ?
DEPTH LANDED: 310'
HOLE SIZE: 12-1/4"
CEMENT DATA: 165 sxs Class "G" cmt, est ? bbls to surf.PRODUCTION CASINGCSG SIZE: 5-1/2"
GRADE: N-80
WEIGHT: 17#
LENGTH: ?
DEPTH LANDED: 6450'
HOLE SIZE: 7-7/8"
CEMENT DATA: 200 sxs BJ Lite & 700 sxs 50/50 Poz cmt
CEMENT TOP AT:TUBINGSIZE/GRADE/WT.: 2-7/8" / N-80 / 17#
NO. OF JOINTS: ?
TUBING ANCHOR: ?
SEATING NIPPLE: ?
TOTAL STRING LENGTH: ?
SN LANDED AT: ?SUCKER RODSPOLISHED ROD:
SUCKER RODS:
PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: DIL-GR-SP, CNL-FDC-GR-Cal, Prox-MicroLog, CBLFRAC JOB

6278'-6282'	Acidize w/36 bbls. 15% MCA, ISIP 2100#.
5092'-5095'	Acidize w/25 bbls. KCL, 100 gal 15% frac w/45,100 gal fluid and 115,000 lbs. sand. ISIP 2310#.
4906'-4940'	Frac w/37,190 gal fluid and 75,740 lbs. sand. ISIP 3800#.
4352'-4363'	Frac w/34,910 gal fluid and 95,200 lbs. sand. ISIP 2350#.
3738'-3752'	Frac w/30,670 gal fluid and 62,000 lbs. sand. ISIP 1900#.
3738'-3752'	Sqz off w/100 sx. Class H cmt - held 3000 psi.
8/31/07	5 Year MIT completed and submitted.

3738'-52', sqz w/100 sxs Class "H"

PERFORATION RECORD

6278'-6282'	3 JSPF	13 holes
5092'-5357'	1 JSPF	14 holes
4906'-4940'	1 JSPF	26 holes
4352'-4363'	2 JSPF	23 holes

EOT @ 4317'
PBTD @ 6150'
TD @ 6450'**NEWFIELD**

NGC Federal #32-5G
1976 FNL 1366 FEL
SWNE Section 5-T9S-R16E
Duchesne Co, Utah
API #43-013-30670; Lease #U-30096

CR 9/20/07

WELLS DRAW FED. M-5-9-16

Spud Date: 06/11/2006
Put on Production: 10/03/07

GL: 5786' KB: 5798'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.89')
DEPTH LANDED: 322.89' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 147 jts. (6439.02')
DEPTH LANDED: 6452.27' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 178 jts (5556.73')
TUBING ANCHOR: 5568.73' KB
NO. OF JOINTS: 1 jts (31.42')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5602.95' KB
NO. OF JOINTS: 2 jts (62.75')
TOTAL STRING LENGTH: EOT @ 5667.25' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-2", 1-4" & 1-8" x 7/8" pony rods, 219-7/8" scraped rods,
8-guides per rod, 4-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 17" x 20" 'RHAC
STROKE LENGTH: 144"
PUMP SPEED, 6 SPM:

Wellbore Diagram

Cement Top @ Surface'

SN 5603'

EOT @ 5667'

PBTD @ 6429'

SHOE @ 6452'

TD @ 6489'

FRAC JOB

09/26/07	5590-5599'	Frac LODC sands as follows: 34374# 20/40 sand in 442 bbls Lightning 17 frac fluid. Treated @ avg press of 2165 psi w/avg rate of 24.7 BPM. ISIP 2250 psi. Calc flush: 5588 gal. Actual flush: 5082 gal.
09/26/07	5437-5449'	Frac A1 sands as follows: 29486# 20/40 sand in 396 bbl Lightning 17 frac fluid. Treated @ avg press of 1979 psi w/avg rate of 24.7 BPM. ISIP 2375 psi. Calc flush: 5435 gal. Actual flush: 4931 gal.
09/26/07	5287-5300'	Frac B2 sands as follows: 85338# 20/40 sand in 665 bbls Lightning 17 frac fluid. Treated @ avg press of 1878 psi w/avg rate of 24.8 BPM. ISIP 2080 psi. Calc flush: 5285 gal. Actual flush: 4780 gal.
09/26/07	5154-5161'	Frac C sands as follows: 14758# 20/40 sand in 281 bbls Lightning 17 frac fluid. Treated @ avg press of 2474 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc flush: 5152 gal. Actual flush: 4649 gal.
09/26/07	5059-5067'	Frac D2 sands as follows: 44707# 20/40 sand in 439 bbls Lightning 17 frac fluid. Treated @ avg press of 1973 psi w/avg rate of 24.7 BPM. ISIP 2045 psi. Calc flush: 5057 gal. Actual flush: 4553 gal.
09/26/07	4984-5006'	Frac D1 sands as follows: 120191# 20/40 sand in 868 bbls Lightning 17 frac fluid. Treated @ avg press of 2233 psi w/avg rate of 24.8 BPM. ISIP 2300 psi. Calc flush: 4982 gal. Actual flush: 4477 gal.
09/27/07	4705-4713'	Frac PB8 sands as follows: 24177# 20/40 sand in 379 bbls Lightning 17 frac fluid. Treated @ avg press of 2192 psi w/avg rate of 24.7 BPM. ISIP 2450 psi. Calc flush: 4703 gal. Actual flush: 4200 gal.
09/27/07	4521-4533'	Frac GB6 sands as follows: 109705# 20/40 sand in 801 bbls Lightning 17 frac fluid. Treated @ avg press of 1866 psi w/avg rate of 24.7 BPM. ISIP 2030 psi. Calc flush: 4519 gal. Actual flush: 4015 gal.
09/27/07	4433-4442'	Frac GB2 sands as follows: 34269# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 1943 psi w/avg rate of 24.8 BPM. ISIP 1975 psi. Calc flush: 4431 gal. Actual flush: 4347 gal.

PERFORATION RECORD

5590-5599'	4 JSPF	36 holes
5437-5449'	4 JSPF	48 holes
5287-5300'	4 JSPF	52 holes
5154-5161'	4 JSPF	28 holes
5059-5067'	4 JSPF	32 holes
4997-5006'	4 JSPF	36 holes
4984-4992'	4 JSPF	32 holes
4705-4713'	4 JSPF	32 holes
4521-4533'	4 JSPF	48 holes
4433-4442'	4 JSPF	36 holes

NEWFIELD

WELLS DRAW FED. M-5-9-16

2033' FNL & 1816' FWL

SE/NW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-33249; Lease # UTU-30096

West Point Federal #12-5-9-16

Spud Date: 10/23/00
Put on Production: 1/23/01
GL: 5815' KB: 5825'

Initial Production: 175 BOPD,
145 MCFD, 17 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
DEPTH LANDED: 303'
HOLE SIZE: 12-1/4"
CEMENT DATA: 155 sxs Class "G" with additives.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
DEPTH LANDED: 5991'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sx PremLite II with additives, followed by 580 sx 50/50 Pozmix.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 173 jts (5531.49')
TUBING ANCHOR: 5541.49' KB
NO. OF JOINTS: 1 jts (5544.27')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5575.59' KB
NO. OF JOINTS: 1 jts (5576.69')
TOTAL STRING LENGTH: EOT @ 5608.08'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-1 1/2" weight bars; 27-3/4" scraped rods; 105-3/4" plain,
88-3/4" scraped rods, 1-2', 1-4', 1-6' x 3/4" pony rods.
PUMP SIZE: 1-1/2" x 2-1/2" x 14" RHAC pump
STROKE LENGTH: 52"
PUMP SPEED, SPM: 4 SPM
LOGS: DLL-MSFL, FDC-CNL

FRAC JOB

1/24/01 5390'-5570' Frac LDC sands as follows:
213,180# 20/40 sand in 1375 bbls Viking I-25 fluid. Treated w/ avg. press of 2700 psi @ 36.5 BPM. ISIP 2750 psi. Calc. flush: 5390 gal. Actual flush: 5355 gal.

1/25/01 5112'-5243' Frac A/B sands as follows:
227,120# 20/40 sand in 1452 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ 31.2 BPM. ISIP 2120 psi. Calc. flush: 5112 gal. Actual flush: 5040 gal.

1/26/01 4882'-4988' Frac D/C sands as follows:
83,000# 20/40 sand in 577 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ 30 BPM. ISIP 2135 psi. Calc. flush: 4882 gal. Actual flush: 4788 gal.

9/24/01 Pump change. Update rod and tubing details.

11/24/03 Pump Change. Update rod and tubing detail.

2/27/04 Tubing leak. Update rod and tubing detail.

12/22/04 Pump Change. Update rod and tubing details.

SN @ 5576'

4882'-4890'
4978'-4988'
5112'-5136'
5226'-5243'

5390'-5395'

5451'-5457'
5479'-5484'

5511'-5523'
Anchor @ 5541'
5551'-5570'

EOT @ 5608'

Top of Fill @ 5725'

PBTD @ 5980'

SHOE @ 5991'

TD @ 6000'

PERFORATION RECORD

1/23/01	5390'-5395'	20 holes
1/23/01	5451'-5457'	24 holes
1/23/01	5479'-5484'	20 holes
1/23/01	5511'-5523'	48 holes
1/23/01	5551'-5570'	76 holes
1/24/01	5226'-5243'	68 holes
1/24/01	5112'-5136'	96 holes
1/25/01	4978'-4988'	40 holes
1/25/01	4882'-4890'	32 holes

NEWFIELD

West Point #12-5-9-16
1909' FSL & 377' FWL
NW/SW Section 5-T9S-R16E
Duchesne Co, Utah
API #43-013-31933; Lease #UTU-73087

Federal #23-5G-9-16

Spud Date: 7/18/88
Put on Production: 9/11/88
GL: 5821' KB: 5836'

Initial Production: 116 BOPD, 0 MCFD
64 BWPD

SURFACE CASING

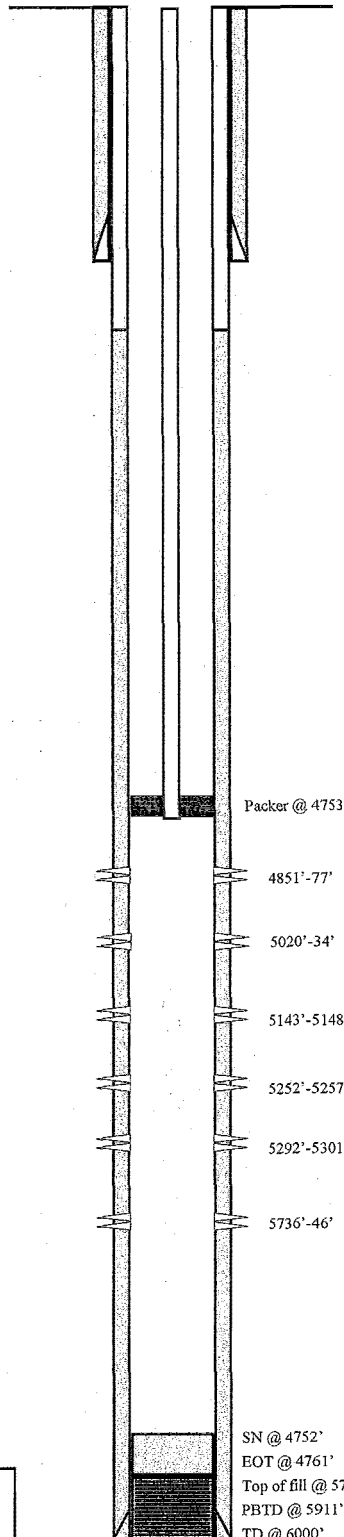
CSG SIZE: 9-5/8"
GRADE: L-80
WEIGHT: 53.5#
LENGTH: 7 JTS
DEPTH LANDED: 300'
HOLE SIZE: 12-1/4"
CEMENT DATA: 165 sks Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 151 jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 195 sks Class "G" & 445 sks Class "G"
CEMENT TOP AT: 1190'
SET AT: 6000'

TUBING

SIZE/GRADE/WT: 2-7/8"/J-55/6.5#
NO. OF JOINTS: 153 jts (4737.87')
SEATING NIPPLE: 2-7/8"x1.10'
SN LANDED AT: 4752.87' KB
PACKER: 4753.97' KB
TOTAL STRING LENGTH: EOT @ 4761.28' KB

Proposed Injection
Wellbore DiagramFRAC JOB

8/18/90	5736'-5746'	961 bbls, 102,000# 20/40 sand. ISIP-2010 psi, 5 min 1836 psi. Avg rate of 40 BPM @ 1900 psi.
8/20/90	5292'-5301'	564 bbls, 54,000# 20/40 sand. ISIP-1950 psi, 5 min 1525 psi. Avg rate of 30 BPM @ 2050 psi.
8/22/90	5020'-5034'	890 bbls, 92,000# 20/40 sand. ISIP-2560 psi, 5 min 1708 psi. Avg rate of 35 BPM @ 2148 psi.
8/24/90	4851'-4877'	1453 bbls, 136,000# 20/40 sand. ISIP-2078 psi, 5 min 1817 psi. Avg rate of 45 BPM @ 2000 psi.
4/15/02	5143'-5257'	Broke B2 & A5 zones w/ 2.6 bbl acid & 34 bbl water. Treat @ 1.25 BPM @ 900 psi.
3/23/07		5 Year MIT completed and submitted.

PERFORATION RECORD

8/17/90	5736'-5746'	4 JSPF	40 holes
8/19/90	5292'-5301'	4 JSPF	36 holes
8/21/90	5020'-5034'	4 JSPF	56 holes
8/23/90	4851'-4877'	4 JSPF	104 holes
4/15/02	5252'-5257'	4 JSPF	20 holes
4/15/02	5143'-5148'	4 JSPF	20 holes

NEWFIELD

Federal #23-5G-9-16
2134 FWL & 1592 FSL
NESW Section 5-T9S-R16E
Duchesne Co, Utah
API #43-013-31207; Lease #U-30096

Wells Draw #10-5-9-16

Spud Date: 3/14/2000
Put on Production: 4/10/2000
GL: 5843' KB: 5853'

Initial Production: 80 BOPD,
258 MCFD, 1 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (297.24')
DEPTH LANDED: 309.09'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sxs Class "G" cmt,

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 130 jts. (5995.54')
DEPTH LANDED: 5993.14'
HOLE SIZE: 7-7/8"
CEMENT DATA: 265 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP: 880' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 169 jts (5284.20')
TUBING ANCHOR: 5294.2'
NO. OF JOINTS: 2 jts (62.94')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5359.94'
NO. OF JOINTS: 1 jts (31.35')
TOTAL STRING LENGTH: EOT @ 5392.84'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
SUCKER RODS: 1-4", 1-2"x3/4" pony rods, 108 - 3/4" scraped rods, 100 - 3/4" scraped rods, 6-1-1/2" weight bars.
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC
STROKE LENGTH: 64"
PUMP SPEED, SPM: 5 spm
LOGS: Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

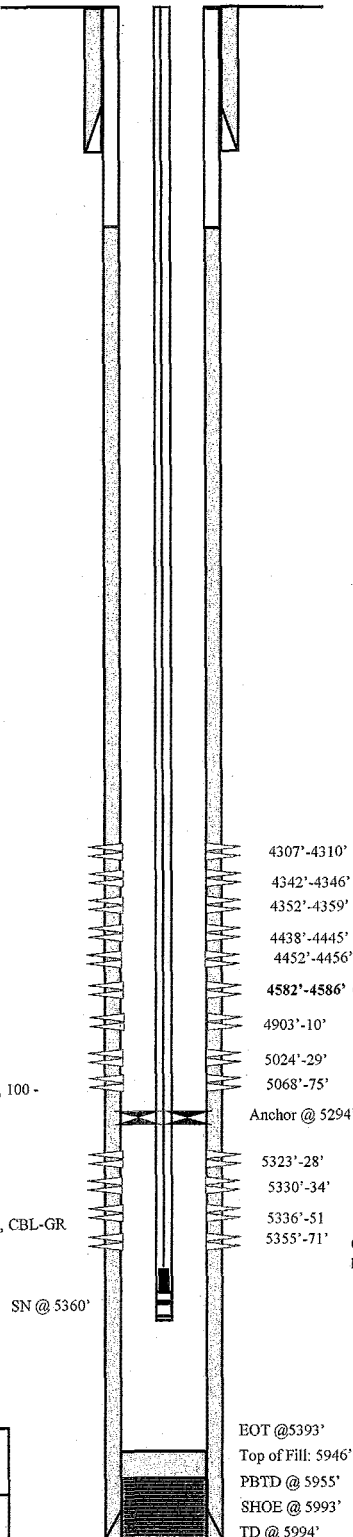
4/05/00 5323'-71' **Frac A sands as follows:**
96,000# 20/40 sand in 604 bbls Viking 1-25 fluid. Treated @ avg press of 1700 psi w/ avg rate of 33 BPM. ISIP: 2200 psi. Calc. flush: 5323 gal. Actual flush: 5250 gal.

4/05/00 4903'-5075' **Frac D/C sands as follows:**
119,171# 20/40 sand in 634 bbls Viking 1-25 fluid. Treated @ avg press of 2360 psi w/ avg rate of 34.3 BPM. ISIP: 2370 psi. Calc. flush: 4903 gal. Actual flush: 4830 gal.

12/19/01 Pump change. Update pump details.

9/27/02 4307'-4456' **Frac GB 2,4,6 sands as follows:**
88,800# 20/40 white mesh sand in 377 bbls Viking 1-25 fluid. Treated @ avg press of 2,695 psi w/ avg rate of 24.7 BPM. ISIP: 2210 psi. Calc. flush: 4307 gal. Actual flush: 4200 gal.

01/08/04 Guide complete rod string. Update rod details.

PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
4/05/00	5355'-5371'	2 JSPF	32 holes
4/05/00	5336'-5351'	2 JSPF	30 holes
4/05/00	5330'-5334'	2 JSPF	08 holes
4/05/00	5323'-5328'	2 JSPF	10 holes
4/05/00	5068'-5075'	4 JSPF	28 holes
4/05/00	5024'-5029'	4 JSPF	20 holes
4/05/00	4903'-4910'	4 JSPF	28 holes
9/27/02	4582'-4586'	4 JSPF	16 holes
9/27/02	4452'-4456'	4 JSPF	16 holes
9/27/02	4438'-4445'	4 JSPF	28 holes
9/27/02	4352'-4359'	4 JSPF	28 holes
9/27/02	4342'-4346'	4 JSPF	16 holes
9/27/02	4307'-4310'	4 JSPF	12 holes

NEWFIELD

Wells Draw # 10-5-9-16

1787' FSL & 2034' FEL

NW/SE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-32133; Lease #UTU-034217A

West Point Federal #13-5-9-16

Spud Date: 11/06/00
Put on Production: 1/22/01
GL: 5775' KB: 5785'

Initial Production: 312 BOPD,
291 MCFD, 39 BWPD

SURFACE CASING

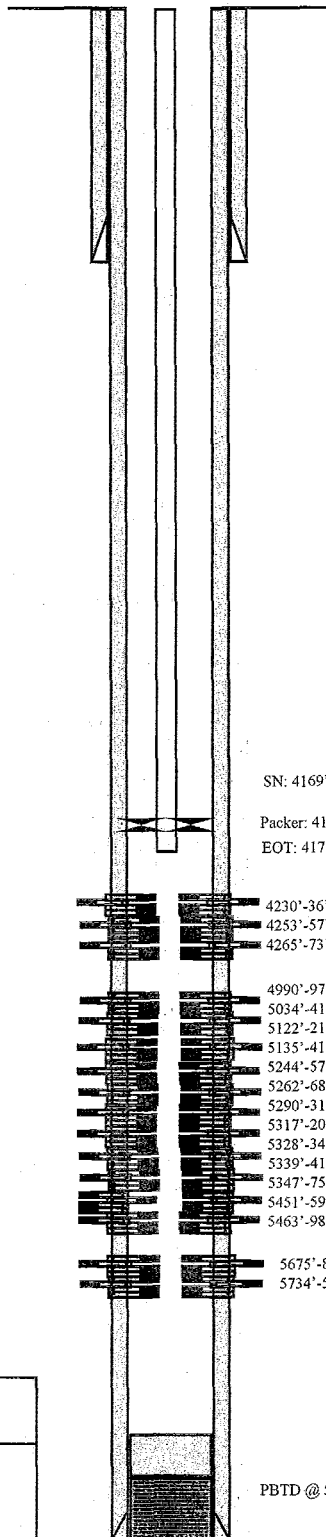
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
DEPTH LANDED: 315'
HOLE SIZE: 12-1/4"
CEMENT DATA: 155 sxs Class "G".

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
DEPTH LANDED: 5935'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sx Premlite II with additives; followed by 560 sx 50/50 Pozmix plus additives.

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5# / 8rd
NO. OF JOINTS: 129 jts (4159.45)
SEATING NIPPLE: 1.10'
SN LANDED AT: 4169.45' KB
TOTAL STRING LENGTH: EOT @ 4178.05'

Injection Wellbore
DiagramFRAC JOB

1/12/01 5675'-5753' Frac CP.5 & CP2 sands with 101,120# 20/40 sand in 699 bbls Viking I-25 fluid. Perfs broke back @ 3434 psi @ 4 BPM. Avg. pressure 2050 psi w/avg. rate of 29.9 BPM. ISIP 2330 psi. Left pressure on well.

1/12/01 5451'-5498' Frac LODC1 sds w/194,620# of 20/40 sand in 1245 bbls Viking I-25 fluid. Perfs broke @ 4011 psi. Treated @ avg press of 2680 psi, w/avg rate of 37.8 BPM. ISIP 2440 psi. Left press on well.

1/15/01 5244'-5375' Frac A3 & LODC2 sands with 24,000 gals of Viking I-25 pad & 49,316 gals of Viking I-25 fluid with 321,700# of 20/40 sand. Pressure 2640 psi max; 2400 psi avg at 36 BPM. ISIP 2650 psi.

1/15/01 4990'-5141' Frac B1 & A5 sand with 16,170 gals of Viking I-25 fluid with 97,700# 20/40 sand. 2250 psi max pressure, with avg rate of 28 BPM. Note: had to SD 173 bbls into 6.5 ppg stage (277 bbls) for repairs. Down est. 8 min - resume treatment. Flowed back frac; start flow back @ 5 pm; end @ 7:45 pm, at rate of 1 BPM. 564 BLTR.

1/16/01 4230'-4273' Frac GB4 sds w/74,000# 20/40 sand in 507 bbls Viking I-25 fluid. Perfs broke @ 4393 psi. Treated @ avg press of 2200 psi, w/avg rate of 26.7 BPM. ISIP 2600 psi. Start immed. flowback on 12/64" choke @ 1 BPM. Flowed 4 hrs & died. Rec. 220 BTF.

1/6/06 Well converted to an Injection well.

1/26/06 MIT completed and submitted.

PERFORATION RECORD

1/16/01	4230'-4236'	24 holes
1/16/01	4253'-4257'	16 holes
1/16/01	4265'-4273'	32 holes
1/15/01	4990'-4997'	28 holes
1/15/01	5034'-5041'	28 holes
1/15/01	5122'-5126'	16 holes
1/15/01	5135'-5141'	24 holes
1/12/01	5244'-5257'	52 holes
1/12/01	5262'-5268'	24 holes
1/12/01	5290'-5312'	88 holes
1/12/01	5317'-5320'	12 holes
1/12/01	5328'-5334'	24 holes
1/12/01	5339'-5341'	8 holes
1/12/01	5347'-5375'	112 holes
1/12/01	5451'-5459'	32 holes
1/12/01	5463'-5498'	140 holes
1/11/01	5675'-5681'	24 holes
1/11/01	5734'-5753'	76 holes

NEWFIELD

Newfield Production

West Point Federal #13-5-9-16

887' FSL, 59.5' FWL

SW/SW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31766; Lease #UTU-73087

PBTD @ 5883'

TD @ 5937'

West Point 14-5-9-16

Spud Date: 6/25/02
Put on Production: 8/17/02

GL: 5840' KB: 5850'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (303.36')
DEPTH LANDED: 311.36' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

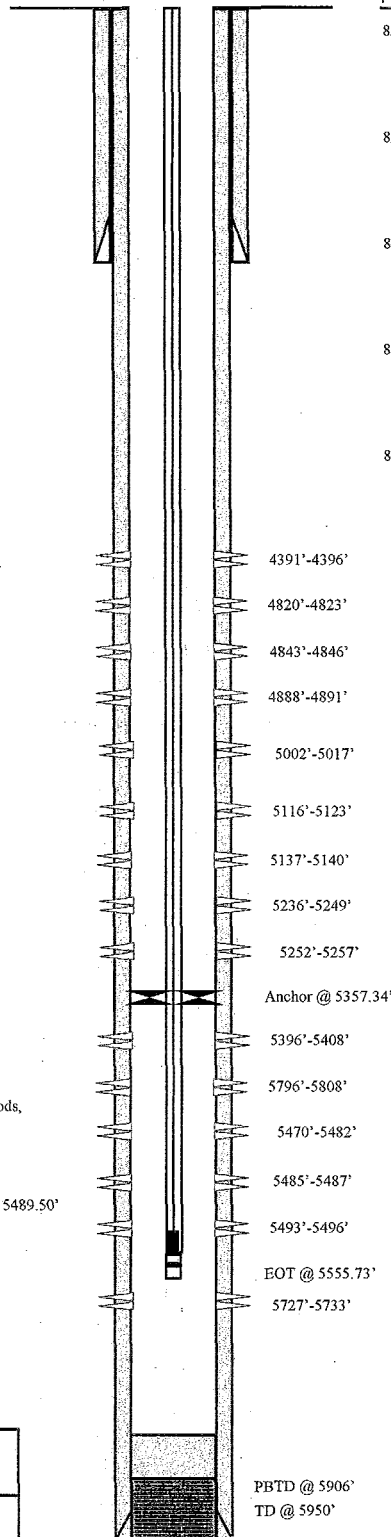
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 133 jts. (5933.26')
DEPTH LANDED: 5928.86' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 774' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 166 jts (5347.34')
TUBING ANCHOR: 5357.34'
NO. OF JOINTS: 4 jts (129.41')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5489.50'
NO. OF JOINTS: 2 jts (64.68')
TOTAL STRING LENGTH: EOT @ 5555.73'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 1-4" x 3/4" pony, 99- 3/4" scraped rods, 92-3/4" plain rods,
22- 3/4" scraped rods, 6- 1/ 1/2 weight rods
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC W/ sm Plunger
STROKE LENGTH: 74"
PUMP SPEED, SPM: 4 SPM

Wellbore Diagram

Initial Production: 73 BOPD,
121 MCFD, 30 BWPD

FRAC JOB

8/14/02 5396'-5733' **Frac LODC & CPI sand as follows:**
147,942# 20/40 sand in 1008 bbls Viking I-25 fluid. Treated @ avg press of 2000 psi w/avg rate of 28.3 BPM. ISIP 2900 psi. Calc flush: 5396 gal. Actual flush: 5313 gal.

8/14/02 5116'-5257' **Frac B2, A 0.5 sand as follows:**
99,751# 20/40 sand in 707 bbls Viking I-25 fluid. Treated @ avg press of 1950 psi w/avg rate of 28.3 BPM. ISIP 2000 psi. Calc flush: 5116 gal. Actual flush: 5040 gal.

8/14/02 4820'-5017' **Frac D & C sand as follows:**
79,058# 20/40 sand in 582 bbls Viking I-25 fluid. Treated @ avg press of 1900 psi w/avg rate of 28 BPM. ISIP 2100 psi. Calc flush: 4820 gal. Actual flush: 4704 gal.

8/14/02 4391'-4396' **Frac GB6 sand as follows:**
25,395# 20/40 sand in 257 bbls Viking I-25 fluid. Treated @ avg press of 2650 psi w/avg rate of 24 BPM. ISIP 2280 psi. Calc flush: 4391 gal. Actual flush: 4284 gal.

8/10/07 Stuck pump. Updated rod & tubing detail.

PERFORATION RECORD

Date	Depth	Tool	Holes
8/13/02	5727'-5733'	4 JSPF	24 holes
8/13/02	5493'-5496'	4 JSPF	12 holes
8/13/02	5485'-5487'	4 JSPF	08 holes
8/13/02	5470'-5482'	4 JSPF	48 holes
8/13/02	5396'-5408'	4 JSPF	48 holes
8/14/02	5252'-5257'	4 JSPF	20 holes
8/14/02	5236'-5249'	4 JSPF	52 holes
8/14/02	5137'-5140'	4 JSPF	12 holes
8/14/02	5116'-5123'	4 JSPF	28 holes
8/14/02	5002'-5017'	4 JSPF	60 holes
8/14/02	4959'-4963'	4 JSPF	16 holes
8/14/02	4888'-4891'	4 JSPF	12 holes
8/14/02	4843'-4846'	4 JSPF	12 holes
8/14/02	4820'-4823'	4 JSPF	12 holes
8/14/02	4391'-4396'	4 JSPF	20 holes

NEWFIELD**West Point #14-5-9-16**

660' FSL & 1980' FWL

SESW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-32328; Lease #UTU-73087

PBTD @ 5906'
TD @ 5950'

Water Analysis Analysis #: 6945

Date: March 4, 2008

Company: Newfield Production

Attention: Randy Huber

Lease: Fed

Description:

Well: 22-5G-9-16

Location:

Sample Point: Tank

DISSOLVED SOLIDS

CATIONS	mg/l	meq/l
Sodium, Na (calc)	4,309.74	187.38
Calcium, Ca	400.00	19.90
Magnesium, Mg	391.62	32.10
Barium, Ba	0.00	0.00
Iron, Fe	0.89	0.05

ANIONS	mg/l	meq/l
Hydroxyl, OH		
Carbonate, CO3		
Bicarbonate, HCO3	860.00	14.08
Sulfate, SO4	0.00	0.00
Chloride, Cl	8,000.00	225.35
Sulfide, S		

OTHER PROPERTIES

pH	7.00
Specific Gravity	1.007
Dissolved Oxygen, (Mg/l)	
Dissolved Carbon Dioxide	
Sulfide as H2S, (ppm)	0.00
Sample Temp	F. 100 C. 38
CO2 in Gas Phase (Mg/l)	
H2S in Gas Phase (Mg/l)	
Total Hardness (Me/l)	52.00

Total Dissolved Solids (Mg/l)	13,962
Total Ionic Strength	0.2660
Maximum CaSO4, (calc.)	0.00
Maximum BaSO4, (calc.)	0.00
Total SRB (colonies/cc)	
Total APB (colonies/cc)	
Total Aerobic (colonies/cc)	
Manganese (Mg/l):	0.33

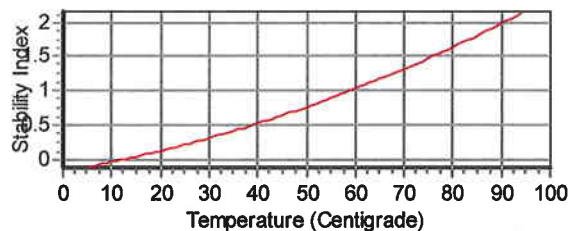
Conclusion:

Calcium Carbonate scaling index is positive above 14 degrees Centigrade.
Calcium Sulfate scale is not indicated from 0 to 100 degrees Centigrade.
Barium Sulfate scale is not indicated from 0 to 100 degrees Centigrade.

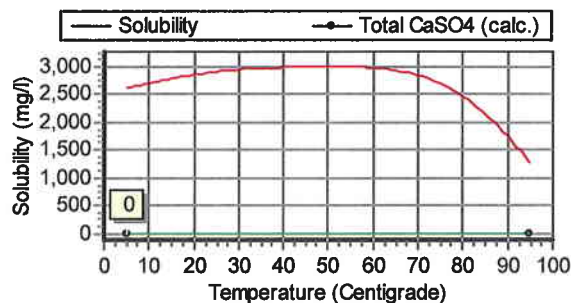
Remarks:

Scaling Indices vs. Temperature

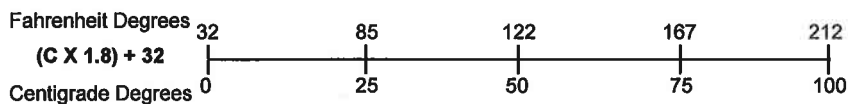
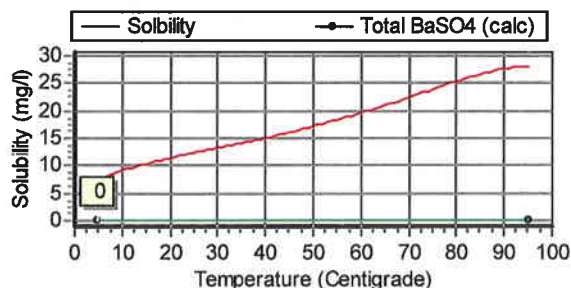
Calcium Carbonate Saturation Index



Calcium Sulfate Solubility



Barium Sulfate Solubility



West Coast Region
5125 Boylan Street
Bakersfield, CA 93308
(661) 325-4138
Lab Team Leader - Sheila Hernandez
(432) 495-7240

Water Analysis Report by Baker Petrolite

Company:	NEWFIELD EXPLORATION	Sales RDT:	31706
Region:	WESTERN REGION	Account Manager:	RANDY HUBER (435) 823-0023
Area:	MYTON, UT	Sample #:	409361
Lease/Platform:	SOUTH WELLS DRAW	Analysis ID #:	78571
Entity (or well #):	INJECTION SYSTEM	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	TRIPLEX SUCTION		

Summary		Analysis of Sample 409361 @ 75 °F					
Sampling Date:	01/20/08	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	01/25/08	Chloride:	2313.0	65.24	Sodium:	1726.0	75.08
Analyst:	STACEY SMITH	Bicarbonate:	678.0	11.11	Magnesium:	19.0	1.56
TDS (mg/l or g/m3):	4924.9	Carbonate:	0.0	0.	Calcium:	39.0	1.95
Density (g/cm3, tonne/m3):	1.003	Sulfate:	129.0	2.69	Strontium:	2.5	0.06
Anion/Cation Ratio:	1.0000001	Phosphate:			Barium:	7.0	0.1
Carbon Dioxide:		Borate:			Iron:	0.3	0.01
Oxygen:		Silicate:			Potassium:	11.0	0.28
Comments:		Hydrogen Sulfide:			Aluminum:		
		pH at time of sampling:			Chromium:		
		pH at time of analysis:		8.13	Copper:		
		pH used in Calculation:		8.13	Lead:		
					Manganese:	0.060	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.72	14.65	-2.18	0.00	-2.25	0.00	-1.63	0.00	1.92	4.19	0.07
100	0	0.76	16.74	-2.19	0.00	-2.19	0.00	-1.61	0.00	1.78	4.19	0.1
120	0	0.81	19.18	-2.19	0.00	-2.11	0.00	-1.58	0.00	1.66	4.19	0.16
140	0	0.86	21.62	-2.18	0.00	-2.01	0.00	-1.54	0.00	1.57	4.19	0.24

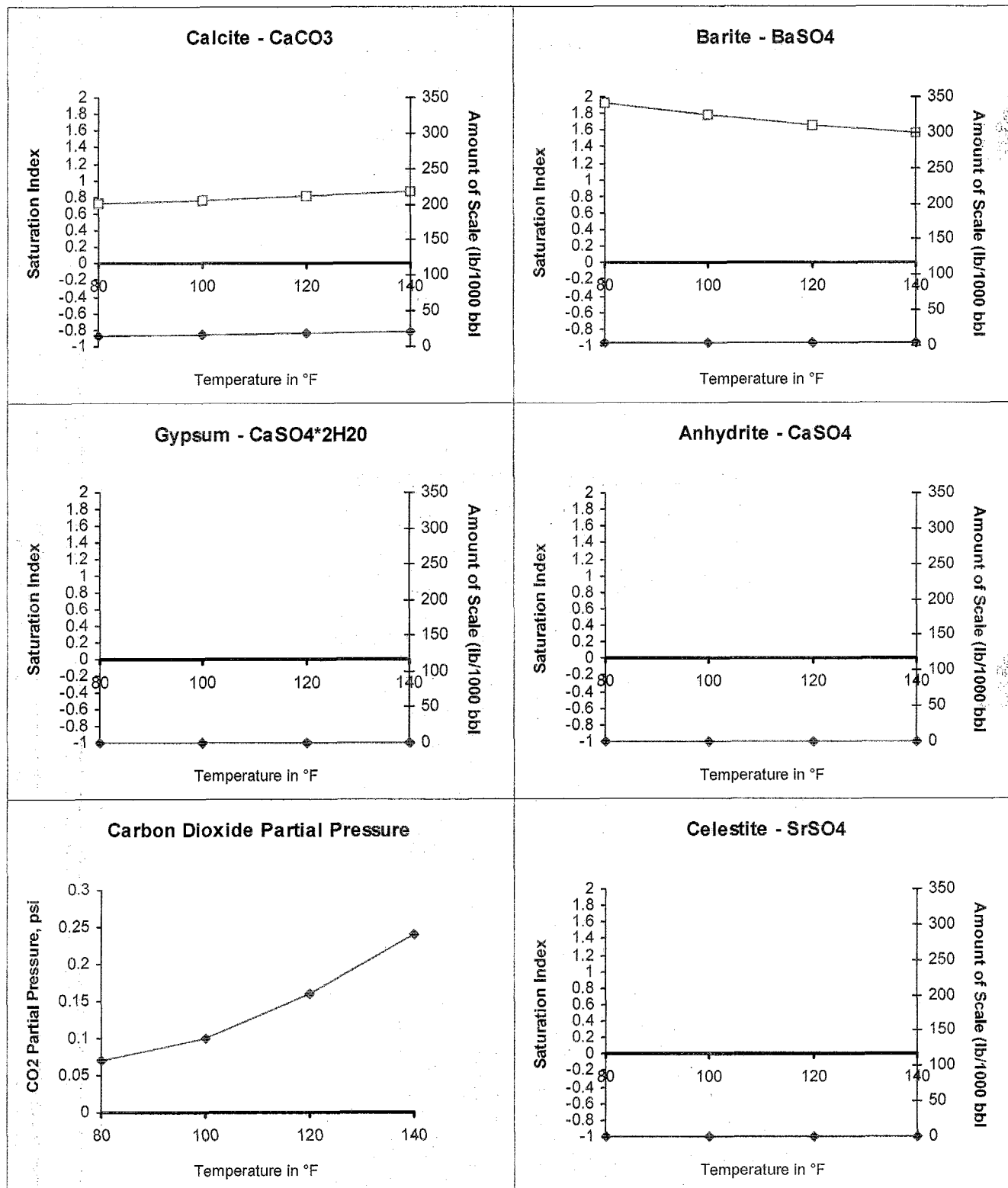
Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO₂ pressure is actually the calculated CO₂ fugacity. It is usually nearly the same as the CO₂ partial pressure.

Scale Predictions from Baker Petrolite

Analysis of Sample 409361 @ 75 °F for NEWFIELD EXPLORATION, 01/25/08



Attachment "G"

**Wells Draw Federal #22-5G-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4308	4329	4319	1996	0.90	1968 ←
4864	4878	4871	2175	0.88	2143
5145	5153	5149	2057	0.83	2024
5269	5281	5275	2300	0.87	2266
5555	5564	5560	3000	0.97	2964
				Minimum	<u>1968</u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

WELL HISTORY

Pleasant Valley #22-5G
Pleasant Valley
Duchesne Co., UT

MW 8.4, Visc 27, Surv 1 1/4 @
5095', 1 1/4 @ 5776', CC: \$84,071.

05-26-90 Drld to 311', day 1, SPUDDER
11:00 AM 5/25/90.

06-23-90 LDDP 6265', day 8, 160'/5 hrs., MW
8.4, Visc 27, Circ & cond, TOH to
log, TIH, Circ & cond., LDDP.

05-27-90 SD

05-28-90 SD

06-24-90 RD 6265', day 9, MW 8.4, rUN 149
jts., 5 1/2", 17#, J-55, LT&C, Set @
6265', Cmt 160 sx H. Lift flwd 450
sx 10-0 FRC, CC: \$122,606. WILL
DROP FROM REPORT UNTIL
COMPLETION.

05-29-90 WORT 311', day 2, Run 7 jts. 8
5/8", 24#, K-55, ST&C Csg, Set @
311', Cmt 210 sx Class G + 2%
CaCl₂ + 1/4 # sx Cello Cmt, Circ.

05-30-90 WORT, WILL DROP FROM
REPORT UNTIL ROTARY TOOLS
MI.

08-21-90 MIRU. NU BOP's, TIH w/4 3/4"
bit & 5 1/2" csg scraper, Tag PBTD
@ 6145', Displace hole w/140 bbl
2% KCL w/clay-sta & biocide,
TOOH, SION. DC: \$75,245 CC:
\$75,245.

06-18-90 Drlg 311', day 3, Drlg cmt, NU &
tstd BOP's, CC: \$23,925.

06-19-90 Drlg 2050', day 4, 1739'/20 hrs., MW
8.3, Surv 1/2 @ 117', 1/2 @ 1520',
CC: \$140,170.

08-22-90 Ran CBL from PBTD @ 6135-
2000', Cmt top @ 1610', Tst csg to
3500 psi, Perf E₂ @ 5555-64', 4 spf,
Break down perfs @ 3000 psi, Inj
@ 2 1/2 BPM @ 2700 psi, ISIP:
2300 psi, Set RBP @ 5650' &
TOOH.
DC: \$5,133 CC: \$80,578

06-20-90 Drlg 3925', day 5, 1875'/22 1/2 hrs.,
MW 8.4, Visc 27, Surv 3/4 @ 2241',
1 1/2 @ 2940', 2 1/4 @ 3645',
CC: \$59,740.

06-21-90 Drlg 4975', day 6, 1050'/18 1/2 hrs.,
MW 8.4, Visc 27, Surv 1 3/4 @
4379' CC: \$71,980.

08-23-90 RU Halco & frac E₂ interval 5269-
81' w/14,300# 20/40 sd & 18,200#
16/30 sd (5000# of 16/30 in perfs
screened out), LTR: 353 BBL.
SWIFN. CC: \$101,824.

06-22-90 Drlg 6105', day 7, 1130'/20 hrs.,

PG&E Resources Company

5950 Berkshire Lane, Suite 600
Dallas, Texas 75225
Telephone 214/750-3800
FAX 214/750-3883

WELL HISTORY

Pleasant Valley #22-5G
Pleasant Valley
Duchesne Co., UT



08-24-90 SICP - 1250 psi, Flowed 1 hr & recovered 20 bbl wtr, TIH & clean sd from 5599' to RBP @ 5660', Reset RBP @ 5380' & Tst to 3500 psi, TOOH Perf E_D @ 5269-81' w/4" csg gun & 4sf 90°. Could not break down E_D @ 4200 psi, TIH to 5299'. SION. DC: \$5,178 CC: \$107,002.

08-24-90 Acidize w/Haliburton, Spot 500 gal 15% HCL on pers @ 5269-81', Zone broke @ 1,100 psi, Inject 16.2 BPM @ 2200 psi, POOH SION. DC: \$2,674 CC: \$109,676

08-25-90 Frac E_D w/Haliburton as designed, 5000 gal pad. RAMP 20/40 sand from 1-6 ppg, Ramp 16/30 from 6-7 ppg, Totals 13,600# 20/40, 18,100# 16/30, 410 Bbl slurry, Tagged 20/40 sand w/Ag-110 and 16/30 sand w/IR-142. SION. DC: \$19,761, \$129,437.

08-26-90 SICP = 0, TIH w/tbg, Clean sd from 5286 to RBP @ 5380. Reset RBP @ 5240' & tst to 3500 psi, POOH Perf 5145-53', 4 spf, Breakdown @ 2900 psi, Inject 3 BPM @ 1600 psi, SION. DC: \$3,481 CC: \$132,918.

08-28-90 Frac Lower D w/Haliburton as designed, 5100 gal pad, RAMP 20/40 FROM 1-6 PPG, RAMP 16/30 from 6-7 ppg, Totals 15,300# 20/40 sd, 17,700# 16/30 sd, 413 bbl total fluid, avg 26 BPM @ 2000 psi, Tagged 20/40 w/SB-124 & 16/30 W/SL-46. SION. DC: \$18,993, CC: \$151,911.

08-29-90 SICP 350 psi, Rec'd 25 BW, Flwg to pit, TIH, Clean sd from 5,165'-RBP @ 5,240', Reset RBP @ 4,970' & tst, TOH, Perf. 4,864'-78', 4 spf, Brk. dn perfs. @ 3,800 psi, Inject 3 BPM @ 1200 psi, SION, DC \$3,251, CC \$155,162.

08-30-90 RU Halco & frac internal 4864-78 w/45,700# 20/40 sd & 57,800# 16/30 sd & 1011 bbl gel, Avg rate: 41 BPM, Avg press: 2300 psi, Max rate: 47 BPM, Max pressure: 3000 psi, RD Halco, SWIFN, CC: \$192,180.

08-31-90 20 hr. SICP 250 psi, Flw to pit, Rec'd 15 bbls. load, RIH w/2 7/8" tbg., Tag sd @ 4,961', Circ clean dn to RBP @ 4,970', Rel. RBP & set @ 4,430', Tst, POH, RIH & perf. "A" interval 4,308'-29', Brk. dn @ 3400 psi, Pmpd 4 BPM @ 1600 psi, ISIP 1100 psi, CC \$196,137.

WELL HISTORY

Pleasant Valley #22-5G
Dueschene Co., UT



08-24-90	SICP - 1250 psi, Flowed 1 hr & recovered 20 bbl wtr, TIH & clean sd from 5599' to RBP @ 5660', Reset RBP @ 5380' & Tst to 3500 psi, TOOH Perf E _D @ 5269-81' w/4" csg gun & 4sfp 90°. Could not break down E _D @ 4200 psi, TIH to 5299'. SION. DC: \$5,178 CC: \$107,002.	08-31-90	20 hr. SICP 250 psi, Flw to pit, Rec'd 15 bbls. load, RIH w/2 7/8" tbg., Tag sd @ 4,961', Circ clean dn to RBP @ 4,970', Rel. RBP & set @ 4,430', Tst, POH, RIH & perf. "A" interval 4,308'-29', Brk. dn @ 3400 psi, Pmpd 4 BPM @ 1600 psi, ISIP 1100 psi, CC \$196,137.
08-28-90	Frac Lower D w/Haliburton as designed, 5100 gal pad, RAMP 20/40 FROM 1-6 PPG, RAMP 16/30 from 6-7 ppg, Totals 15,300# 20/40 sd, 17,700# 16/30 sd, 413 bbl total fluid, avg 26 BPM @ 2000 psi, Tagged 20/40 w/SB-124 & 16/30 W/SL-46. SION. DC: \$18,993, CC: \$ 151,911.	09-01-90	Frac "A" sd w/Halliburton as designed, 16,200 gal. pad, Ramp 20/40 sd from 1-6 ppg, Ramp 16-30 sd from 6-7 ppg, Totals: 41,800# 20/40, 56,700# 16/30, 978 BW, Tagged 20/40 w/SB-124, 16-30 w/SC-46, Avg. 30 BPM @ 2100 psi, Max 43 BPM @ 2650 psi.
08-29-90	SICP 350 psi, Rec'd 25 BW, Flwg to pit, TIH, Clean sd from 5,165'-RBP @ 5,240', Reset RBP @ 4,970' & tst, TOH, Perf. 4,864'-78', 4 spf, Brk. dn perfs. @ 3,800 psi, Inject 3 BPM @ 1200 psi, SION, DC \$3,251, CC \$155,162.	09-02-90	20 hr. SICP 1400 psi, Rec'd 180 bbls., Flwg. to pit, TIH, Clean sd from 4,376' to RBP @ 4430#, POH w/RBP, TIH w/2 7/8" tbg. to 4,200', <u>SD until 9/4/90.</u>
08-30-90	RU Halco & frac internal 4864-78 w/45,700# 20/40 sd & 57,800# 16/30 sd & 1011 bbl gel, Avg rate: 41 BPM, Avg press: 2300 psi, Max rate: 47 BPM, Max pressure: 3000 psi, RD Halco, SWIFN, CC: \$192,180.	09-05-90	SITP & SICP 250 psi, Circ well dead w/2% KCL, RIH w/tbg. & tag sd @ 6,125', Clean out dn to 6,135', Good show of oil & gas while circ, POH, RU HLS & attempt to run tracer survey log, Had line problems, SWIFN, CC \$133,960.

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4258'.
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement.
3. Plug #2 Set 200' plug from 2000'-2200' with 25 sx Class "G" cement.
4. Perforate 4 JSPF @ 361'.
5. Plug #3 Circulate 113 sx Class "G" cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus.

The approximate cost to plug and abandon this well is \$35,401.

Wells Draw Federal #22-5G-9-16

Spud Date: 05/25/1990
 Put on Production: 10/5/90
 GL: 5786' KB: 5801' 15' KB

Initial Production: 228 BOPD, 0 MCFD
 57 BWPD

Proposed P & A
Wellbore DiagramSURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts.
 DEPTH LANDED: 311' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210 skx Class "G" cmt, est 43 bbls to surface

Circulate 113 skx Class "G" cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus

Casing Shoe @ 311'

Perforate 4 JSPF @ 361'

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 149 jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC
 CEMENT TOP AT: 1610'
 SET AT: 6259' KB

Cement top @ 1610'

200' Balanced Plug (25 skx) Class G Cement over water zone 2000' - 2200'

100' (12 skx) Class G Cement plug on top of CIBP

CIBP @ 4258'

4308'-29'

4864'-78'

5145'-53'

5269'-81'

5555'-64'

Top of Fill @ 6127'

PBTD @ 6145'

TD @ 6259'

NEWFIELD

Wells Draw Federal #22-5G-9-16

1837' FWL 2032' FNL

SE/NW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31273; Lease #UTU-30096

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2032 FNL 1837 FWL
SENW Section 5 T9S R16E

5. Lease Serial No.

USA UTU-30096

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

WELLS DRAW UNIT

8. Well Name and No.

WELLS DRAW 22-5G

9. API Well No.

4301331273

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Eric Sundberg

Signature

Title

Regulatory Analyst

Date

4/4/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

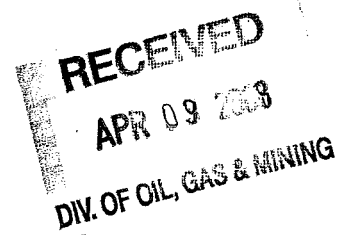
(Instructions on reverse)



February 29, 2008

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Wells Draw Federal #22-5G-9-16
Monument Butte Field, Wells Draw Unit, Lease #UTU-30096
Section 5-Township 9S-Range 16E
Duchesne County, Utah



Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Wells Draw Federal #22-5G-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is written in a cursive style with a long, sweeping line extending from the end.

Eric Sundberg
Regulatory Analyst

From: Clinton Dworshak
To: esundberg@newfield.com
CC: Brad Hill
Date: 5/5/2008 9:35 AM
Subject: UIC - Conversion Approvals
Attachments: Wells Draw Federal 22-5G-9-16.pdf; South Wells Draw 231-04.pdf

Eric,

Two UIC applications recently sent in by Newfield already have conversion approval. Please see attached files.

1. Wells Draw Federal 22-5G-9-16 (43-013-31273) was approved for conversion by DOGM June 11, 1998.
2. South Wells Draw 13-10-9-16 (43-013-32047) was approved for conversion by the Board of Oil, Gas and Mining July 16, 2001 Docket No. 2001-18, Cause No. 231-04.

A 1/2 mile radius review of the proposed wells was conducted. All surrounding wells have adequate casing and cement. The prior approvals of these two wells are still valid.

Clint

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: <div style="display: flex; justify-content: space-around;">OIL WELL <input checked="" type="checkbox"/>GAS WELL <input type="checkbox"/>OTHER <input type="checkbox"/></div>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-30096
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: WELLS DRAW UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2032 FNL 1837 FWL		8. WELL NAME and NUMBER: WELLS DRAW 22-5G
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW, 5, T9S, R16E		9. API NUMBER: 4301331273
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 03/19/2009			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above listed well was converted to an Injection well on 3/19/09. (Please see attached work detail.)

On 3/23/09 Dennis Ingram with the State of Utah (DOGM) was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 3/24/09. On 3/24/09 the csg was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not a State representative available to witness the test.

API # 43-013-31273

NAME (PLEASE PRINT) <u>Callie Ross</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u><i>Callie Ross</i></u>	DATE <u>03/25/2009</u>

(This space for State use only)

RECEIVED
MAR 30 2009
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 3 / 24 / 09 Time 9:00 am pm

Test Conducted by: Gordon Womack

Others Present: _____

Well: Wells Draw 22-56-9-16

Field: Monument Butte

Well Location: SE / NW Sec 5 T4S R16E
Duchesne County, UT

API No: 43-013-31273

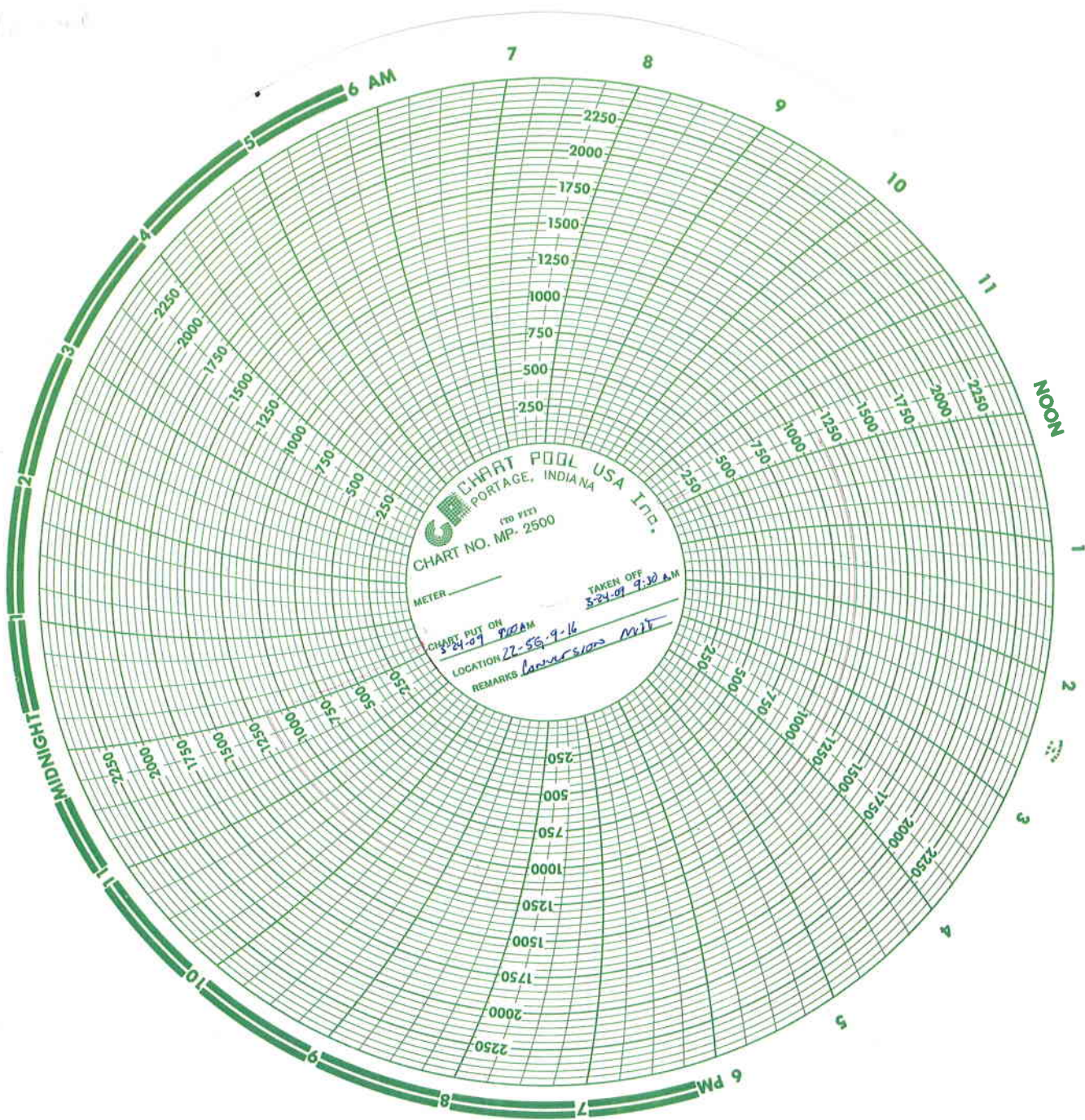
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1150</u>	psig
5	<u>1150</u>	psig
10	<u>1150</u>	psig
15	<u>1150</u>	psig
20	<u>1150</u>	psig
25	<u>1150</u>	psig
30 min	<u>1150</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Gordon Womack



WELLS DRW 22-5G-9-16**1/1/2009 To 5/30/2009****3/18/2009 Day: 1****Conversion**

Western #1 on 3/17/2009 - MIRU Nabors #1111. Hot oiler had pumped 60 BW down csg @ 250°. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 30 BW @ 250°. LD polished rod, 1-8',6' X 7/8" pony rods & 61- 7/8" guided rods. SWIFN.

3/19/2009 Day: 2**Conversion**

Nabors #1111 on 3/18/2009 - Flush tbg w/ 20 BW @ 250°. LD rods as follows (total): 1 1/2" X 22' polished rod, 1-8',6' X 3/4" pony rods, 97- 3/4" guided rods, 81- 3/4" plain rods, 40- 3/4" guided rods, 4- 1 1/2" X 25' weight rods, 1- 1 1/2" X 8' weight rod & rod pump. Flush tbg & rods w/ 20 BW @ 250° during TOOH. X-over for tbg. ND wellhead. NU BOPs. RU rig floor. Release TA. TOOH w/ tbg (talleying, breaking collars & applying liquid O-ring to threads) as follows: 177- jts 2 7/8" J-55 6.5# tbg, TA, 2- jts 2 7/8" tbg, SN, 1- jt 2 7/8" tbg & 2 7/8" notched collar. LD 42- jts tbg not needed for injection string. SWIFN

3/20/2009 Day: 3**Conversion**

Nabors #1111 on 3/19/2009 - 0 psi on well. MU & TIH w/ Arrowset 1-X packer, SN & 138- jts 2 7/8" J-55 6.5# tbg. Flush tbg w/ 30 BW. Drop standing valve down tbg. Pressure test tbg to 3000 psi. Held pressure test for 30 minutes w/ 0 psi loss. RU sandline. RIH w/ fishing tool on sandline & retrieve standing valve. RD rig floor. ND BOPs. NU wellhead. Pump 60 bbls packer fluid down tbg-csg annulus. Set AS-1X packer w/ CE @ 4277' w/ 15,000# tension. NU wellhead. Pressure annulus to 1400 psi, held pressure test for 30 minutes w/ 0 psi loss. RDMOSU. Ready for MIT!

3/25/2009 Day: 4**Conversion**

Rigless on 3/24/2009 - On 3/23/09 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well (Wells Draw 22-5G-9-16). Permission was given at that time to perform the test on 3/24/09. On 3/24/09 the csg was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not a State representative available to witness the test. API # 43-013-31273



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-214

Operator: Newfield Production Company
Well: Wells Draw 22-5G-9-16
Location: Section 5, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-31273
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 11, 1998. Newfield filed an amended application on February 29, 2008. The amended application was reviewed by DOGM, and it was determined that the June 11, 1998 conversion approval was still valid.
2. Maximum Allowable Injection Pressure: 1,968 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,161' – 5,735')

Approved by:

Gil Hunt
Associate Director

3-31-09

Date

GLH/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Eric Sundberg, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File
N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-30096
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: WELLS DRAW UNIT
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: WELLS DRAW 22-5G
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2032 FNL 1837 FWL		9. API NUMBER: 4301331273
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENW, 5, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>05/01/2009</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Change status, put well on injection.
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 1:00 PM on 5-1-09.

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE



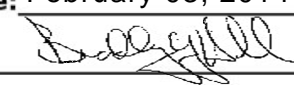
DATE 05/04/2009

(This space for State use only)

RECEIVED

MAY 05 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-30096
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: WELLS DRAW 22-5G
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2032 FNL 1837 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 05 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013312730000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/14/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Workover MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>The above subject well had workover procedures performed (well stimulation), attached is a daily status report. On 01/13/2014 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 01/14/2014 the csg was pressured up to 1382 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1050 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 1/30/2014		Accepted by the Utah Division of Oil, Gas and Mining Date: February 03, 2014 By: 

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness:

Chris Jensen

Date

1/14/14

Time

12:37

am pm

Test Conducted by:

Britt Jensen

Others Present:

Well: Wells Draw 22-59-9-16

Field: CRMBU

Well Location: SE/NW Sec 5, T9S, R16E API No: 43-013-31273

Time

Casing Pressure

0 min	<u>1382</u>	psig
5	<u>1382</u>	psig
10	<u>1382</u>	psig
15	<u>1382</u>	psig
20	<u>1382</u>	psig
25	<u>1382</u>	psig
30 min	<u>1382</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure:

1050

psig

Result:

Pass

Fail

Signature of Witness:

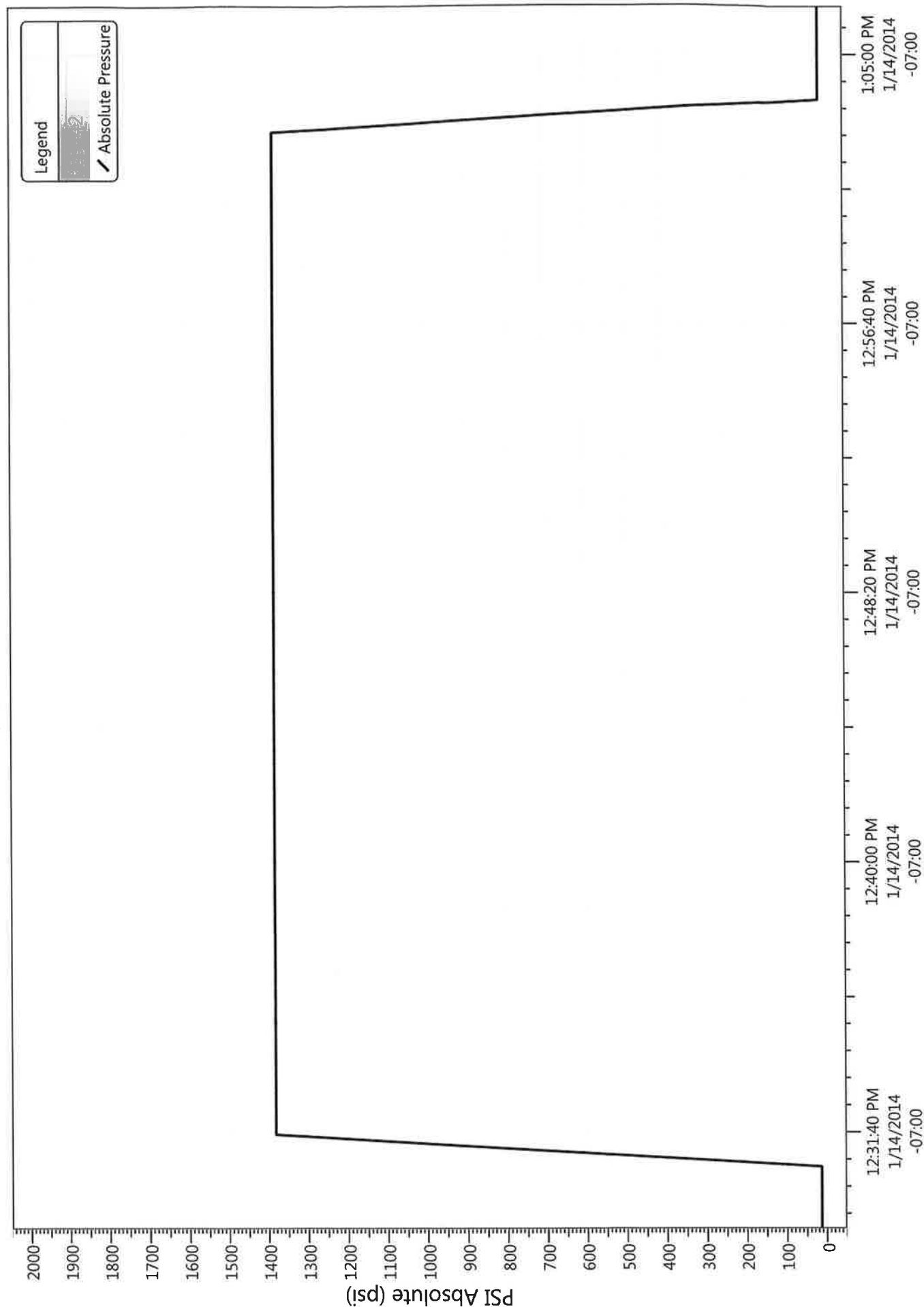
Chris Jensen

Signature of Person Conducting Test:

Britt Jensen

Wells Draw 22-5g-9-16

1/14/2014 1:18:07 PM



Daily Activity Report

Format For Sundry

WLLS DRW 22-5G-9-16

11/1/2013 To 3/28/2014

12/9/2013 Day: 1

Well Stimulation

Nabors #1108 on 12/9/2013 - MIRU - ROAD RIG FROM THE 5-5-9-16 TO THE 22-5G-9-16. - TRAVEL TIME - SPOT RIG, RU RIG. - DIG TRENCH AND PIT FOR WATER CONTAINMENT, WAIT FOR HOT OILER TO SHOW UP TO STEAM WH AND MASTER VALVE. POSS DAMAGE TO VALVE DUE TO PREVIOUS ATTEMPTS TO OPEN VALVE WHILE FROZE UP AND WRONG TOOLS USED TO OPEN. MAINTAIN RIG ON DOWN TIME. - THAW OUT VALVE AND FOUND TO BE SHEARED OFF AT SPINDLE. - WAIT FOR CUDD REP TO SHOW UP AND LOOK AT WH TO DETERMINE WHAT TOOLS WILL BE NEEDED FOR A HOT TAP ON MONDAY MORNING. CLEAN LOCATION. - SWIFN, SDFN - TRAVEL TIME

Daily Cost: \$0

Cumulative Cost: \$11,570

12/10/2013 Day: 2

Well Stimulation

Nabors #1108 on 12/10/2013 - RIG UP CUDD - Travel time - ON STANDBY WAITING FOR WATER TO SHOW UP, USING HOT OILER STEAM OFF WELL HEAD AND THAW OUT VALVES. - HOLD SAFETY MEETING WITH CUDD. RU CUDD TO DRILL OUT GATE ON DAMAGED MASTER VALVE. DRILL OUT GATE. RD CUDD AND START FLOWING WELL BACK. - FLOWBACK WELL AND HAD 1850 PSI UNDER CONTAINMENT, AND 150 PSI WHILE FLOWING WIDE OPEN TO TANK. FLOW BACK WELL UNTIL FLOW BACK CREW SHOWED UP FOR RELIEF. CLEAN LOCATION, SDFN. - TRAVEL TIME

Daily Cost: \$0

Cumulative Cost: \$26,134

12/11/2013 Day: 3

Well Stimulation

Nabors #1108 on 12/11/2013 - RU WIRE LINE - WAIT FOR HOT OILER TO GET THAWED OUT AND STEAM OFF WELL HEAD, CSG VALVE WAS FROZEN. - TRAVEL TIME - CHECK PRESSURE, 200 PSI ON CSG, TBG FLOWING, BD CSG PRESSURE. - TRAVEL TIME. - ND WH, RELEASE PACKER, NU BOP, RU WORK FLOOR. SWIFN, CLEAN LOCATION, SDFN. - RU HOT OILER, PUMP 90 BBLS TREATED WATER DOWN CSG TO KILL/ TREAT/ DISPLACE H2S AND RD HOT OILER. - RIH WITH WIRELINE, PERF TBG @ 4265' TO 4266'. POOH WITH WIRELINE AND RD TRUCK. - RU WIRELINE AND THEY HAD FROZE UP AND BROKE DOWN, ON STANDBY WAITING FOR PARTS TO SHOW UP TO GET THEM FIXED AND RUNNING AGAIN. - RU FLOW BACK LINES AND FLOW BACK WELL AGAIN WHILE WAITING FOR WIRELINE TO SHOW UP. - ND WH, REMOVE FLOW LINE AND MASTER VALVE TO TAKE HIT IF H2S @ 50 PPM. SECURE WELL.

Daily Cost: \$0

Cumulative Cost: \$36,142

12/12/2013 Day: 4

Well Stimulation

Nabors #1108 on 12/12/2013 - TOH w/ TBG - TRAVEL TIME - RD RIG, RACK OUT BOP, RACK OUT WINCH TRUCK AND TOOLS. CLEAN LOCATION, SWIFN, SDFN. - LD 2 JNTS TBG, RD WORK FLOOR, ND BOP, SET PACKER @ 4276.75', LAND TBG, NU WH. - TIH WITH TBG, TBG DETAIL AS FOLLOWS: PLUG, R.H., 2 3/8 TBG SUB, PACKER, PSN, TBG TO PLUG DEPTH, SET PLUG WITH 140 JNTS @ 4339.81'. - TRAVEL TIME - POOH WITH 138 JNTS TBG AND PACKER,

LD PERF JNT AND BREAK OUT PSN. - CHECK TBG AND CSG PRESSURES, 100 PSI ON BOTH, BD WELL AND OPEN BOP. - WAIT FOR HOT OILER TO FINISH STEAMING OFF BOP, WH, CSG VALVES AND TIW VALVES. - PU/MU PLUG AND PACKER ASSY.

Daily Cost: \$0

Cumulative Cost: \$42,601

1/8/2014 Day: 5**Well Stimulation**

Nabors #1108 on 1/8/2014 - MIRU open up csg and tbg to tank. ND WH, Realease Pkr NU BOP RU Work Floor - SPOT RIG, RU RIG - OPEN UP CSG AND TBG TO TANK, WAIT FOR WATER HAULER TO SHOW UP. - ND WH, RELEASE PACKER, NU BOP, RU WORK FLOOR. - TIH WITH 2 JNTS TBG TO LATCH ON TO PLUG. RELEASE PLUG AND FLOW BACK WELL UNTIL HEAD IS OFF OF WELL. - LD 2 JNTS TBG, POOH WITH 138 JTNS TBG, PLUG AND PACKER. - TIH WITH PACKER ASSY AND 44 JNTS TBG, SWIFN CLEAN LOCATION, SDFN. - TRAVEL TIME

Daily Cost: \$0

Cumulative Cost: \$48,089

1/9/2014 Day: 6**Well Stimulation**

Nabors #1108 on 1/9/2014 - HAVE HOT OILER STEAMOFF/ THAW OUT TIW AND CSG VALVES AND OPEN WELL UP, FLUSH.PUMP 30 BBLS WATER @ 250 F TO CLEAN TBG FOLLOWED BY 50 BBLS WATER @ 90 F TO COOL OFF WELL FOR PT - Travel Time - Travel Time - WAIT FOR WATER TRUCK TO SHOW UP, LOAD HOT OILER,HAVE HOT OILER STEAMOFF/ THAW OUT TIW AND CSG VALVES AND OPEN WELL UP, FLUSH 30 BBLS WATER DOWN TBG AND CLEAN OUT TBG USING HOT OILER. - TIH WITH REST OF TBG FROM DERRICK. - PT TBG TO 3000 PSI, BLED DOWN A COUPLE OF TIMES AND HAD TO BUMP UP. NEVER GOT A GOOD TEST, SWIFN, CLEAN LOCATION, SDFN - DROP S.V. AND PUMP 60 BBLS WATER, NEVER CAUGHT PRESSURE - RU SANDLINE AND RIH TO TAG S.V. @ +/- 1000'. RU HOT OILER. - PUMP 30 BBLS @ 250 F USING HOT OILER. PUMPED S.V. TO PSN. - PUMP 30 BBLS WATER @ 250 F TO CLEAN TBG FOLLOWED BY 50 BBLS WATER @ 90 F TO COOL OFF WELL FOR PRESSURE TEST

Daily Cost: \$0

Cumulative Cost: \$56,278

1/10/2014 Day: 7**Well Stimulation**

Nabors #1108 on 1/10/2014 - CHECK TBG PRESSURE, 2500 PSI, BUMP UP TO 3000 PSI AND HOLD TEST FOR 30 MIN, GOOD TEST.RD WORK FLOOR, ND BOP, LAND TBG ON WH, NU WH. - SWIFN, CLEAN LOCATION, SDFN. - Travel Time - NDWH, SET PACKER AND PACK OFF, LAND TBG IN 15K TENSION, NU WH. - PUMP 50 BBLS PACKER FLUID DOWN CSG. - RD WORK FLOOR, ND BOP, LAND TBG ON WH, NU WH. - RU WATER HAULER AND HAVE HIM DRAIN PIT, START BREAKING DOWN FLOOR. - RU SANDLINE AND FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE, RD SANDLINE AND TOOLS,ON STANDBY WAITING FOR WATER HAULER TO SHOW UP. - CHECK TBG PRESSURE, 2500 PSI, BUMP UP TO 3000 PSI AND HOLD TEST FOR 30 MIN, GOOD TEST. - Travel Time

Daily Cost: \$0

Cumulative Cost: \$61,853

1/13/2014 Day: 9**Well Stimulation**

Nabors #1108 on 1/13/2014 - RD RIG, RACK OUT WINCH TRUCK AND TOOLS, CLEAN LOCATION, SDFN. - Travel Time - Travel Time - Travel Time - LOAD HOT OILER WITH FRESH WATER, RU HOT OILER AND HAVE HIM THAW OUT WELL HEAD, OPEN CSG. - LOAD HOT

OILER WITH FRESH WATER, RU HOT OILER AND HAVE HIM THAW OUT WELL HEAD, OPEN CSG. - PUMP CSG UP TO 1400 PSI, HOLD TEST AND BLED DOWN, BUMP UP AND RETEST, BAD TEST, HOLD TEST FOR 30 MIN, GOOD TEST AFTER NUMEROUS BUMP UPS. - PUMP CSG UP TO 1400 PSI, HOLD TEST AND BLED DOWN, BUMP UP AND RETEST, BAD TEST, HOLD TEST FOR 30 MIN, GOOD TEST AFTER NUMEROUS BUMP UPS. - TOO WINDY TO RIG DOWN, ON STDBY WAITING FOR WIND TO POSSILBY DIE DOWN, STILL TOO WINDY, CALL IT FOR THE DAY, CLEAN LOCATION, SDFN. - Travel Time - RD RIG, RACK OUT WINCH TRUCK AND TOOLS, CLEAN LOCATION, SDFN. - RD RIG, RACK OUT WINCH TRUCK AND TOOLS, CLEAN LOCATION, SDFN. - Travel Time - Travel Time - Travel Time - Travel Time - TOO WINDY TO RIG DOWN, ON STDBY WAITING FOR WIND TO POSSILBY DIE DOWN, STILL TOO WINDY, CALL IT FOR THE DAY, CLEAN LOCATION, SDFN.

Daily Cost: \$0

Cumulative Cost: \$70,675

1/15/2014 Day: 10

Well Stimulation

Rigless on 1/15/2014 - Conduct MIT - On 01/13/2014 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 01/14/2014 the csg was pressured up to 1382 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1050 psig during the test. There was a State representative available to witness the test - Chris Jensen **Finalized**

Daily Cost: \$0

Cumulative Cost: \$71,575

Pertinent Files: Go to File List

Spud Date: 05/25/1990

Put on Production: 10/5/90

GL: 5786' KB: 5801' 15' KB

Wells Draw Federal 22-5G-9-16

Initial Production: 228 BOPD, 0 MCFD
57 BWPDSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: K-55

WEIGHT: 24#

LENGTH: 7 jts,

DEPTH LANDED: 311' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 210 sks Class "G" cmt, est 43 bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 17#

LENGTH: 149 jts

HOLE SIZE: 7-7/8"

CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC

CEMENT TOP AT: 1610'

SET AT: 6259' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 138 jts (4259.8')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4274.8' KB

ON/OFF TOOL AT: 4275.9'

ARROW #1 PACKER CE AT: 4281'

XO 2-3/8 x 2-7/8 J-55 AT: 4284.7'

TBG PUP 2-3/8 J-55 AT: 4285.2'

X/N NIPPLE AT: 4289.3'

TOTAL STRING LENGTH: EOT @ 4290.93'

Injection Wellbore
Diagram

Cement top @ 1610'

SN @ 4275'
On Off Tool @ 4276'

Packer @ 4281'

X/N Nipple @ 4289'
EOT @ 4291'

4308'-4329'

4864'-4878'

5145'-5153'

5269'-5281'

5555'-5564'

Top of Fill @ 6127'
PBTD @ 6145'
SHOE & TD @ 6259'FRAC JOB

08-23-90	5555'-5564'	Frac E2 sands as follow: 14,300# 20/40 sd and 18,200# 16/30 sd
08-25-90	5269'-5281'	Frac E0 sands as follow: 13,600# 20/40 sd and 18,100# 16/30 sd
08-28-90	5145'-5153'	Frac D sands as follow: 15,300# 20/40 sd and 17,700# 16/30 sd
08-30-90	4864'-4878'	Frac DC2 sands as follow: 45,700# 20/40 sd and 57,800# 16/30 sd
09-01-90	4308'-4329'	Frac A sands as follow: 41,800# 20/40 sd and 56,700# 16/30 sd
11-19-03		Tubing leak: Update rod and tubing details.
3/19/09		Well converted to an Injection Well.
3/25/09		MIT completed and submitted.
01/14/14		Workover MIT completed – Well Stimulation – update tbg detail

PERFORATION RECORD

08-23-90	5555'-5564'	4 JSPF	36 holes
08-25-90	5269'-5281'	4 JSPF	48 holes
08-28-90	5145'-5153'	4 JSPF	32 holes
08-30-90	4864'-4878'	4 JSPF	56 holes
09-01-90	4308'-4329'	4 JSPF	84 holes

NEWFIELD

Wells Draw Federal 22-5G-9-16

1837' FWL 2032' FNL
SE/NW Section 5-T9S-R16E
Duchesne Co, Utah
API #43-013-31273; Lease #UTU-30096